

982

COMMERCIAL FERTILIZERS

CONSUMPTION FOR YEAR ENDED JUNE 30, 1982

NEWARK PUBLIC LIBRARY

DEC 10 1982

U. S. GOVT. PUBS.
DEPOSITORY 376



Crop
Reporting
Board

Statistical Reporting
Service

U.S. Department
of Agriculture

Washington, D.C.
20250

November 1982
SpCr 7(11-82)

A 92.37:

CONTENTS

<u>TABLE</u>	<u>PAGE</u>
1. U.S. Consumption of Fertilizers and Plant Nutrients, 1960-82.....	4
2. Total Fertilizer Consumed, United States and Regions.....	6
3. Consumption of Fertilizer Mixtures and Direct Application Materials..	8
4. Semi-annual Consumption of Fertilizer Mixtures and Materials.....	9
5. Direct Application Nitrogen Materials Consumption.....	10
6. Direct Application Nitrogen, and Secondary and Micronutrient Materials Consumption.....	12
7. Direct Application Phosphate Materials Consumption.....	13
8. Direct Application Potash and Natural Organic Materials Consumption..	14
9. Primary Plant Nutrient Consumption by Kind of Fertilizer.....	15
10. Nitrogen Content of Direct Application Materials Consumed.....	21
11. Available P ₂ O ₅ Content of Direct Application Materials Consumed.....	22
12. K ₂ O Content of Direct Application Materials Consumed.....	23
13. Consumption of 15 Principal Grades by States, 1981.....	24
14. Consumption of 15 Principal Grades by States, 1982.....	26
15. Tonnages of the 150 Most Popular Mixtures Consumed.....	28
16. Average Primary Nutrient Content of Mixtures and Direct Application Materials Consumed.....	29
17. Consumption of Selected N-P Grades.....	30
18. Consumption of Nitrogen Solutions by Direct Application.....	32
19. Micronutrients Sold for Fertilizer in the U.S.....	33
20. Conversion Factors and Average Analyses	34

For Information Call: (202) 447-7621

TOTAL FERTILIZER CONSUMPTION DOWN 10 PERCENT

Fertilizer consumption in the U.S. and Puerto Rico during the year ended June 30, 1982 is placed at 48.7 million tons, down 10 percent from the 54.0 million tons consumed during the 1980-81 year.

Primary nutrient content (nitrogen, N; phosphate, P_2O_5 , and potash, K_2O) was 21.5 million tons, down 9 percent from a year earlier. Nitrogen consumption decreased 7 percent to 11.1 million tons; phosphate usage at 4.8 million tons and potash consumption at 5.6 million tons were each down 11 percent.

The five leading States in order of total consumption and the change in consumption from the year ended June 30, 1981 were: Illinois, up 1 percent; Iowa, down 10 percent; California, down 17 percent; Indiana, down 5 percent and Texas, down 17 percent.

Fertilizer consumption represents all commercial fertilizer tonnage sold or shipped for farm and non-farm use as fertilizer. Materials used in the manufacture of registered mixes or for use in other fertilizers are excluded.

DIRECT APPLICATION MATERIALS DECREASED 8 PERCENT

Usage of all direct application materials decreased 8 percent during the 1981-82 fertilizer year to 27.9 million tons. Primary nutrient materials (N, P_2O_5 , K_2O) accounted for 26.2 million compared with 28.2 million tons a year earlier. Secondary and micronutrient materials decreased from 2.2 million tons in 1980-81 to 1.8 million tons in 1981-82.

MICRONUTRIENTS SOLD FOR USE AS FERTILIZER

Sales of selected micronutrient elements for use as fertilizer were obtained from known producers. The tonnages shown in Table 19 for iron, manganese, copper and zinc indicate heavier useage in 1981-82 than in the previous fertilizer year.

DATA SOURCES AND RELEASE DATES

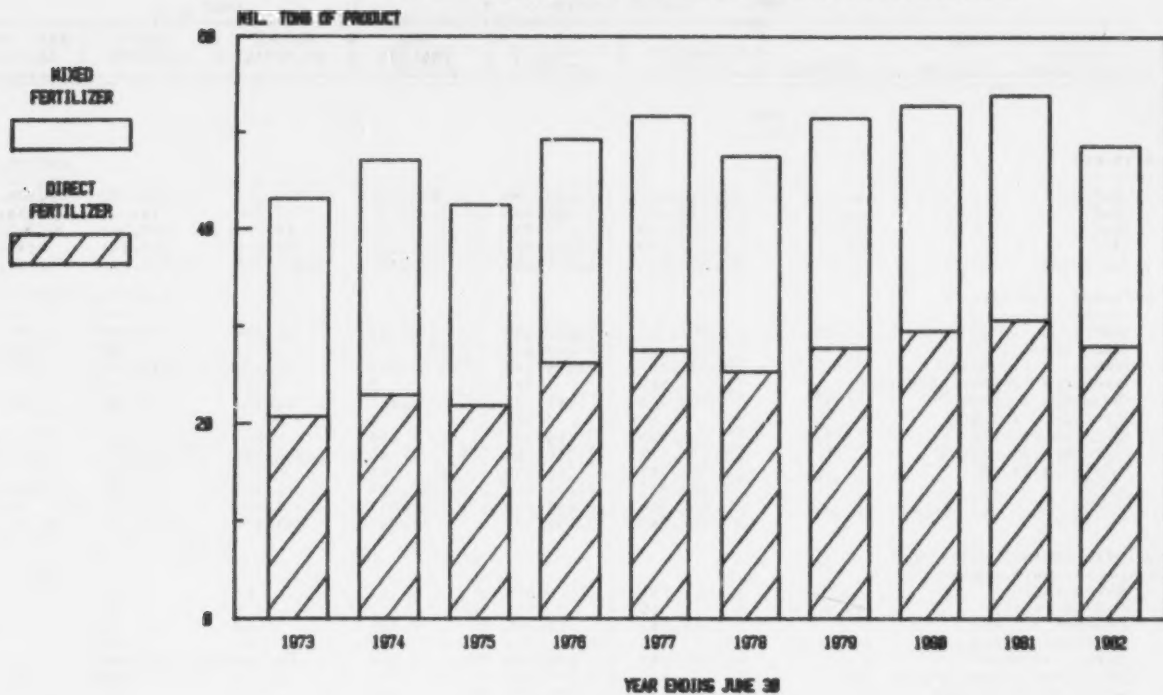
This report, compiled by the Crop Reporting Board of the Statistical Reporting Service, is based on fertilizer tonnage reports prepared by State Fertilizer Control Officials and the voluntary response of more than 1,500 fertilizer manufacturers, blenders and sales outlets. The 1981-82 State fertilizer tonnage reports for New Hampshire, Vermont and the last 6 months of Delaware and Montana were not available in time for this release. Therefore, the previous year's consumption data for these periods were used in this report for those States were estimated based on the previous year and other current data available.

Current year consumption data will be subject to revision one year from the publication date of this report.

TABLE 1.--UNITED STATES CONSUMPTION OF FERTILIZERS AND PLANT NUTRIENTS
1960-1982

YEAR ENDED JUN 30	TOTAL CONSUMPTION								
	GROSS TONNAGES				PRIMARY NUTRIENT CONTENT				
	MIXED	PRIMARY	SECONDARY	TOTAL	N	AVAILABLE	K ₂ O	TOTAL	
	FERTI-	NUTRIENT:	& MICRO-						
	LIZER	MATERIAL:	NUTRIENTS:						
1,000 TONS									
1960	15,650	7,850	1,378	24,877	2,738.0	2,572.4	2,153.3	7,463.7	
1961	15,735	8,639	1,194	25,567	3,030.8	2,645.1	2,168.5	7,844.4	
1962	16,205	9,100	1,310	26,615	3,370.0	2,807.0	2,270.5	8,447.5	
1963	17,157	10,229	1,459	28,844	3,929.1	3,072.9	2,503.4	9,505.4	
1964	18,093	11,113	1,475	30,681	4,352.8	3,377.8	2,729.7	10,460.3	
1965	18,559	11,756	1,521	31,836	4,638.5	3,512.2	2,834.5	10,985.2	
1966	19,659	13,412	1,461	34,532	5,326.3	3,897.1	3,221.2	12,444.6	
1967	21,132	14,552	1,397	37,081	6,027.1	4,304.7	3,641.8	13,973.6	
1968	21,294	15,832	1,617	38,743	6,787.6	4,453.3	3,792.6	15,033.5	
1969	21,234	16,380	1,334	38,949	6,957.6	4,665.6	3,891.6	15,514.8	
1970	20,961	17,331	1,297	39,589	7,459.0	4,573.8	4,035.5	16,068.3	
1971	21,513	18,389	1,216	41,118	8,133.6	4,803.4	4,231.4	17,168.4	
1972	21,511	18,385	1,310	41,206	8,722.3	4,863.7	4,326.8	17,212.8	
1973	22,547	19,275	1,466	43,288	8,295.1	5,085.2	4,648.7	18,029.0	
1974	24,067	20,897	2,130	47,094	9,157.2	5,098.6	5,082.6	19,338.4	
1975	20,647	19,959	1,878	42,484	8,600.8	4,506.8	4,453.2	17,560.9	
1976	22,958	23,935	2,296	49,189	10,411.6	5,227.6	5,209.7	20,848.8	
1977	24,099	24,999	2,525	51,624	10,647.4	5,629.7	5,833.8	22,110.9	
1978	22,110	23,511	1,877	47,497	9,964.6	5,096.1	5,526.1	20,586.9	
1979	23,742	25,600	2,139	51,480	10,714.7	5,605.8	6,244.5	22,565.1	
1980	23,270	27,221	2,296	52,787	11,406.7	5,431.5	6,245.1	23,083.3	
1981	23,525	28,236	2,227	53,988	11,923.8	5,434.4	6,319.5	23,677.7	
1982	20,815	26,164	1,754	48,733	11,078.9	4,818.2	5,614.0	21,511.1	

CONSUMPTION OF MIXED FERTILIZERS AND DIRECT APPLICATION MATERIALS



PLANT NUTRIENT CONSUMPTION

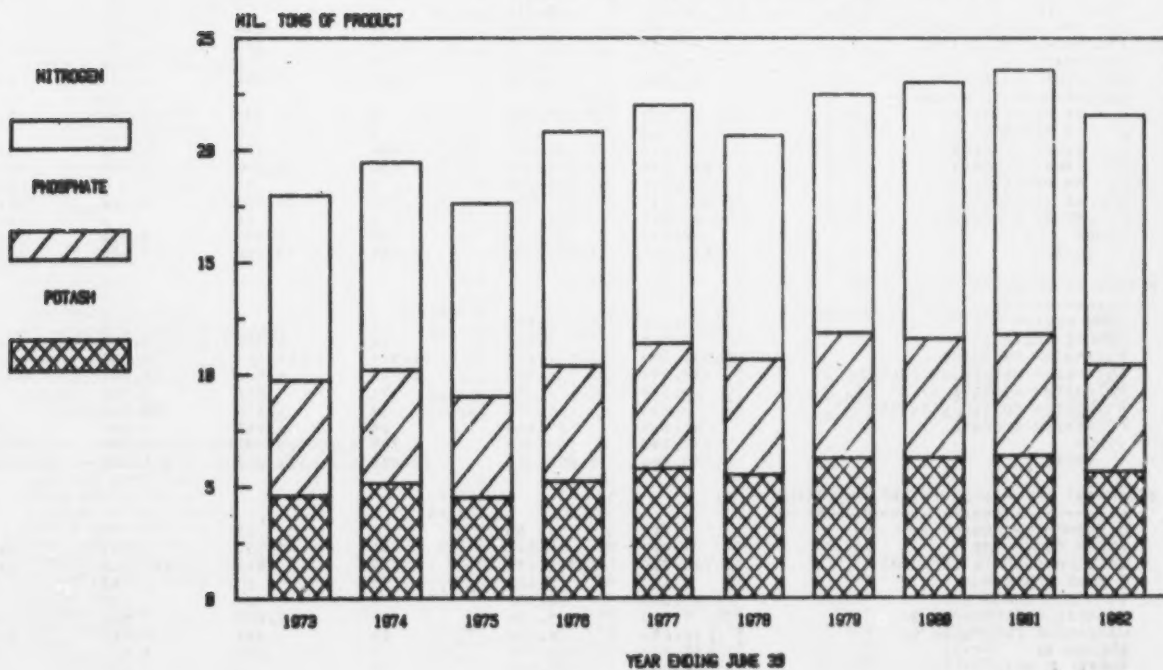


TABLE 2 -- TOTAL FERTILIZER CONSUMED, UNITED STATES AND REGIONS,
YEARS ENDED JUNE 30, 1981 AND 1982 1/ 2/

KIND	UNITED STATES		1982			
	1981	1982	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	EAST NORTH CENTRAL
TONS						
MIXTURES						
N-P-K	15,666,428	13,822,696	219,236	1,204,803	3,868,032	2,965,499
N-P	5,690,005	5,281,603	5,127	87,554	70,635	1,484,710
N-K	666,659	617,707	2,464	18,778	412,367	23,734
P-K	1,481,379	1,092,821	5,011	58,069	364,241	193,814
TOTAL	23,524,471	20,814,827	231,838	1,369,204	4,715,275	4,667,757
NITROGEN MATERIALS						
ANHYDROUS AMMONIA	5,664,606	5,247,325	123	34,925	53,270	1,391,514
AQUA AMMONIA	728,626	667,677	0	14	303	28,729
AMMONIUM NITRATE	3,020,738	2,538,102	2,673	28,227	290,665	139,214
AMMONIUM NITRATE-LIMESTONE	6,518	780	3	17	212	39
AMMONIUM SULFATE	846,445	727,120	1,387	13,971	22,584	47,716
CALCIUM CYANAMIDE	89	376	0	0	0	0
CALCIUM NITRATE	64,328	60,351	280	1,224	15,112	4,085
NITROGEN SOLUTIONS	7,270,118	7,238,266	2,748	260,931	1,158,777	2,097,966
SODIUM NITRATE	76,909	66,250	153	2,375	38,856	195
UREA	2,219,461	2,201,192	11,689	71,216	19,506	457,162
OTHER	401,402	407,438	2,277	7,956	26,027	80,834
TOTAL	20,319,240	19,154,877	21,333	420,856	1,625,312	4,247,454
NATURAL ORGANIC MATERIALS						
DRIED BLOOD	751	508	19	83	18	49
CASTOR POMACE	15	11	0	0	11	0
COMPOST	17,802	10,835	7,245	153	0	1,229
COTTONSEED MEAL	465	365	87	34	59	1
DRIED MANURE	135,533	134,488	7,864	18,788	37,992	19,897
ACTIVATED SEWAGE SLUDGE	41,449	35,957	791	3,813	11,793	18,810
OTHER SEWAGE SLUDGE	37,676	33,823	654	178	524	0
TANKAGE	749	1,524	1	57	237	0
OTHER	27,317	38,263	304	3,243	6,350	5,359
TOTAL	261,757	255,714	16,965	25,549	58,984	45,345
PHOSPHATE MATERIALS						
AMMONIUM PHOSPHATE 3/	485,946	402,857	1,550	9,584	5,255	4,213
BASIC SLAG	80,717	42,716	0	0	11,877	0
RAW AND STEAMED BONEMEAL	1,498	4,731	384	628	321	208
PHOSPHORIC SOLUTIONS	48,183	49,012	0	188	294	11,721
PHOSPHATE ROCK	6,888	3,651	37	377	516	772
COLLOIDAL PHOSPHATE	11,436	3,365	112	259	119	1,451
SUPERPHOSPHATE GRADES:						
18 PERCENT	27,984	27,851	0	396	498	26,895
19 PERCENT	5,422	4,171	0	0	3,801	0
20-22 PERCENT	79,118	41,651	284	346	14,553	1,155
23-44 PERCENT	348,149	279,376	480	13,393	7,880	144,259
45 PERCENT	216,416	154,647	0	97	0	16,640
46 PERCENT	457,712	340,951	1,774	16,435	6,808	206,238
47-54 PERCENT	29,376	60,555	0	14	0	2,625
OTHER	98,032	83,244	34	7,891	5,516	15,498
TOTAL	1,896,869	1,498,798	4,655	49,608	57,438	431,675
POTASH MATERIALS						
LIME POTASH	5,286	1,945	1	5	269	0
MANURE SALTS	5,994	8,107	16	1,082	3,580	1,743
POTASSIUM CHLORIDE	5,301,384	4,844,888	11,501	111,480	94,432	2,566,832
POTASSIUM MAGNESIUM SULFATE	133,691	122,826	1,062	4,546	21,901	28,298
POTASSIUM NITRATE 4/	4,380	8,156	91	560	6,756	105
POTASSIUM SODIUM NITRATE	74,323	67,076	10	1,371	59,912	171
POTASSIUM SULFATE	46,464	57,668	28	469	3,216	3,397
OTHER	187,342	144,328	345	2,034	24,322	43,489
TOTAL	5,758,864	5,254,114	13,054	121,547	214,388	2,644,835
SECONDARY AND MICRONUTRIENT MATERIALS						
ALUMINIUM COMPOUNDS 5/	761	63	4	18	9	32
BORON COMPOUNDS 5/	4,487	15,507	80	4,151	2,815	2,060
CALCIUM SULFATE (GYPSUM)	1,760,758	1,370,191	122	589	287,886	6,357
COPPER COMPOUNDS 5/	3,173	3,622	1	17	1,742	447
IRON COMPOUNDS 5/	10,642	18,537	7	29	535	13
MAGNESIUM COMPOUNDS 5/	7,115	3,102	8	2,278	500	601
MANGANESE COMPOUNDS 5/	12,283	16,508	64	442	6,921	1,665
SULFUR 5/	133,402	72,757	5	163	3,607	839
SULFURIC ACID	39,920	27,583	0	6	277	0
ZINC COMPOUNDS 5/	50,637	62,515	2	160	1,990	2,714
OTHER	196,979	162,057	433	3,638	8,446	30,235
TOTAL	2,227,157	1,754,442	926	11,491	314,708	44,963
TOTAL ALL FERTILIZERS	53,987,558	48,732,772	288,771	1,998,295	6,984,105	12,081,229

SEE FOOTNOTES ON PAGE 7.

TABLE 2 -- TOTAL FERTILIZER CONSUMED, UNITED STATES AND REGIONS,
YEARS ENDED JUNE 30, 1961 AND 1962 1/ 2/--CONTINUED

KIND	1962					
	WEST NORTH	EAST SOUTH	WEST SOUTH	MOUNTAIN	PACIFIC	ALASKA
	CENTRAL	CENTRAL	CENTRAL			HAWAII
PUERTO RICO						
TONS						

MIXTURES						
N-P-K	1,907,657	1,259,314	1,615,441	103,749	566,034	112,931
N-P	2,018,141	267,318	601,264	396,448	345,134	5,272
N-K	49,934	4,630	21,305	271	20,075	64,149
P-K	119,497	196,316	153,094	724	2,044	1
TOTAL	4,095,229	1,727,578	2,391,104	501,192	933,287	182,363
NITROGEN MATERIALS						
ANHYDROUS AMMONIA	2,612,010	121,278	471,170	282,527	280,508	0
AQUA AMMONIA	10,419	3,236	9,119	32,559	582,896	402
AMMONIUM NITRATE	515,336	605,659	517,582	280,440	157,911	395
AMMONIUM NITRATE-LIMESTONE	138	53	0	75	243	0
AMMONIUM SULFATE	37,450	1,902	136,127	192,023	271,935	2,025
CALCIUM CYANAMIDE	0	0	0	0	376	0
CALCIUM NITRATE	54	669	135	1,546	37,164	82
NITROGEN SOLUTIONS	1,768,494	278,150	565,320	393,369	694,217	18,294
SODIUM NITRATE	314	11,890	3,906	0	8,561	0
UREA	600,114	228,136	463,290	145,847	191,037	13,195
OTHER	20,455	1,947	15,325	87,008	163,739	1,070
TOTAL	5,564,784	1,252,920	2,181,974	1,415,394	2,388,587	36,263
NATURAL ORGANIC MATERIALS						
DRIED BLOOD	0	0	48	0	291	0
CASTOR POINACE	0	0	0	0	0	0
COMPOST	67	0	0	2,141	0	0
COTTONSEED MEAL	23	0	1	0	100	0
DRIED MANURE	2,911	1,985	2,783	3,301	38,967	0
ACTIVATED SEWAGE SLUDGE	887	0	50	0	503	119
OTHER SEWAGE SLUDGE	0	4,511	0	183	27,773	0
TANKAGE	42	1,187	0	0	0	0
OTHER	1,326	350	6,166	2,224	12,930	11
TOTAL	5,256	9,033	9,048	7,849	80,564	121
PHOSPHATE MATERIALS						
AMMONIUM PHOSPHATE 3/	18,175	2,406	53,359	102,078	206,104	133
BASIC SLAG	0	23,691	171	0	0	7,067
RAW AND STEAMED BONEHEAL	2	0	17	4	3,144	23
PHOSPHORIC SOLUTIONS	7,806	0	2,133	19,155	7,715	0
PHOSPHATE ROCK	1,214	0	24	0	523	188
COLLOIDAL PHOSPHATE	1,341	43	0	0	40	0
SUPERPHOSPHATE GRADES:						
16 PERCENT	8	0	0	0	54	0
19 PERCENT	0	322	0	0	20	0
20-22 PERCENT	4,229	5,380	845	1,292	13,567	0
23-44 PERCENT	76,465	15,699	526	8,232	12,442	0
45 PERCENT	67,386	1,204	6,323	41,845	21,152	0
46 PERCENT	40,540	42,691	21,021	3,714	156	774
47-54 PERCENT	2,402	42,363	0	7	13,134	10
OTHER	1,192	555	1,385	6,864	41,423	2,986
TOTAL	220,788	134,264	86,604	183,191	319,474	11,141
POTASH MATERIALS						
LIME POTASH	729	236	0	447	258	0
MANURE SALTS	1,607	0	79	0	0	0
POTASSIUM CHLORIDE	1,543,169	322,331	72,098	38,535	80,439	3,191
POTASSIUM MAGNESIUM SULFATE	37,168	6,643	6,964	10,102	6,034	108
POTASSIUM NITRATE 4/	0	0	0	0	550	94
POTASSIUM SODIUM NITRATE	20	4,548	1,041	3	0	0
POTASSIUM SULFATE	273	32,100	14	7,139	9,551	1,481
OTHER	26,616	1,277	23,944	1,635	6,052	14,414
TOTAL	1,609,582	367,135	104,140	58,061	102,884	19,288
SECONDARY AND MICRONUTRIENT MATERIALS						
ALUMINUM COMPOUNDS 5/	0	0	0	0	0	0
BORON COMPOUNDS 5/	4,351	151	114	44	1,741	0
CALCIUM SULFATE (GYPSUM)	24,837	2,624	0	54,428	993,368	0
COPPER COMPOUNDS 5/	254	0	0	109	1,052	0
IRON COMPOUNDS 5/	6,098	0	0	3,934	7,226	495
MAGNESIUM COMPOUNDS 5/	980	189	53	1	379	135
MANGANESE COMPOUNDS 5/	6,064	2	10	138	1,202	0
SULFUR 5/	25,737	36	543	11,980	29,933	0
SULFURIC ACID	0	128	369	637	26,166	0
ZINC COMPOUNDS 5/	24,846	196	579	13,086	18,907	35
OTHER	22,847	15,562	10,355	14,558	55,633	150
TOTAL	115,992	18,882	12,023	98,835	1,135,607	1,019
TOTAL GROSS FERTILIZERS						
	11,611,631	3,506,812	4,784,693	2,264,522	4,960,403	250,151

1/ EXCLUDES LIMING MATERIALS AND ALL MATERIALS USED IN MAKING MIXTURES.

2/ STATES THAT ARE INCLUDED IN EACH REGION ARE DETAILED IN TABLE 19.

3/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0 AND 27-14-0.

4/ ADDITIONAL QUANTITIES MAY HAVE BEEN REPORTED BY GRADE UNDER MIXTURES; SEE TABLE 15.

5/ REPORTED FOR USE PRIMARILY AS DIRECT APPLICATION MATERIAL.

TABLE 3 -- CONSUMPTION OF FERTILIZER MIXTURES AND DIRECT APPLICATION MATERIALS,
YEARS ENDED JUNE 30, 1981 AND 1982 1/

STATE	MIXTURES		DIRECT APPLICATION MATERIALS 2/				TOTAL		1982 AS PERCENT OF 1981
			PRIMARY NUTRIENT		SECONDARY AND MICRO- NUTRIENT		1981	1982	
	1981	1982	1981	1982	1981	1982			
	TONS						PERCENT		
ALA	629,384	543,118	383,598	352,804	11,223	9,781	1,024,205	905,703	88
ALAS	5,005	4,360	4,055	9,425	0	0	9,060	13,785	152
ARIZ	62,607	71,568	297,564	247,232	70,688	48,438	430,859	367,238	85
ARK	369,351	314,818	511,009	496,336	3,534	3,451	883,894	814,605	92
CALIF	753,337	673,503	1,956,631	1,692,055	1,462,857	1,101,515	4,172,825	3,467,073	83
COLO	116,583	103,130	349,784	410,457	9,447	14,014	475,814	527,601	111
CONN	40,856	34,095	15,236	13,172	133	171	56,225	47,436	84
DEL	86,000	57,305	75,799	56,621	2,988	2,688	164,787	116,614	71
D C	7,792	7,600	1,047	983	50	50	8,889	8,633	97
FLA	1,718,140	1,594,243	318,338	312,153	41,498	28,251	2,077,976	1,934,647	93
GA	1,253,778	983,044	770,823	624,047	177,213	106,850	2,201,814	1,713,941	78
HAW	102,546	130,797	46,863	54,627	728	1,015	150,137	156,439	104
IDAH0	97,070	98,091	470,697	512,918	21,606	19,006	589,373	630,015	107
ILL	1,418,539	1,451,587	2,889,994	2,915,247	2,339	5,419	4,310,872	4,372,253	101
IND	1,341,435	1,195,239	1,404,124	1,402,739	7,820	6,837	2,753,379	2,604,815	95
IOWA	1,307,488	1,086,633	2,689,977	2,515,631	55,122	29,349	4,052,587	3,631,513	90
KANS	460,808	418,440	1,129,748	1,027,937	31,984	15,726	1,622,540	1,462,103	90
KY	536,309	508,367	603,271	593,731	9,734	6,909	1,149,314	1,109,007	96
LA	454,919	352,985	301,363	289,094	20,033	7,484	776,315	649,563	84
MAINE	88,011	84,827	12,907	9,377	27	0	100,945	94,204	93
MD	333,960	215,075	150,232	139,387	386	1,141	484,578	355,603	73
MASS	59,793	39,210	10,864	14,830	466	684	71,123	54,724	77
MICH	680,086	662,275	709,215	677,794	4,252	5,479	1,393,553	1,345,548	97
MINN	815,757	724,605	1,664,359	1,392,615	12,700	11,442	2,512,816	2,128,662	85
MISS	436,978	371,800	444,510	410,674	223	180	881,711	782,654	89
MO	1,301,130	1,006,377	577,684	489,718	8,150	5,488	1,886,964	1,501,583	80
MONT	133,444	150,300	201,562	239,008	6,121	3,619	341,127	392,927	115
NEBR	499,811	445,719	1,452,252	1,261,035	31,301	51,155	1,983,364	1,757,909	89
NEV	6,122	5,812	16,135	14,994	7,057	9,134	29,314	29,940	102
N H	20,317	21,316	4,332	4,332	1	1	24,650	25,649	104
N J	160,943	162,047	35,367	34,762	1,960	2,792	198,270	199,601	101
N MEX	35,742	30,632	67,353	68,503	1,392	3,743	104,487	102,878	98
N Y	443,926	432,701	209,667	184,625	2,302	4,406	655,695	621,732	95
N C	1,278,399	1,122,147	634,627	562,752	108,835	151,074	2,021,661	1,835,973	91
N DAK	269,255	263,614	465,939	429,610	2,086	2,408	736,980	695,632	94
OHIO	1,040,263	907,432	1,380,367	1,338,950	3,977	4,485	2,424,607	2,250,867	93
OKLA	298,079	260,712	549,894	493,581	1,140	653	849,113	754,946	89
OREG	99,006	105,149	477,678	468,292	16,739	14,761	593,423	588,202	99
PA	434,796	451,991	167,405	168,414	708	293	602,909	620,698	103
R I	9,790	10,087	2,101	2,381	0	0	11,691	12,468	105
S C	563,192	450,764	300,975	247,806	16,291	4,393	880,458	702,963	80
S DAK	162,102	149,841	312,636	283,864	320	424	475,058	434,129	91
TENN	431,764	304,293	451,286	405,143	3,085	2,012	886,135	711,448	80
TEX	1,712,216	1,462,589	1,362,443	1,102,755	1,015	435	3,075,674	2,565,779	83
UTAH	20,013	19,118	111,381	108,658	251	247	131,645	128,023	97
VT	44,285	42,303	12,448	11,915	84	70	56,417	54,288	96
VA	564,664	565,077	213,682	207,364	29,360	24,140	807,706	796,581	99
WASH	171,057	154,635	786,151	731,162	21,371	19,331	978,579	905,128	92
W VA	38,266	42,485	39,233	32,768	143	121	77,642	75,374	97
WISC	493,276	451,224	1,057,047	1,033,779	14,365	22,743	1,564,688	1,507,746	96
WYO	10,472	22,541	110,129	62,725	2,052	634	122,653	85,900	70
P R	105,609	77,206	4,448	2,721	0	0	110,057	79,927	73
TOTAL	23,524,471	20,814,827	28,235,930	26,163,503	2,227,157	1,754,442	53,987,558	48,732,772	90

1/ EXCLUDES LIMING MATERIALS.

2/ EXCLUDES MATERIALS USED IN COMMERCIAL MIXTURES.

COMMERCIAL FERTILIZERS, NOVEMBER 1982

8

CROP REPORTING BOARD, SRS, USDA

TABLE 4 -- SEMIANNUAL CONSUMPTION OF FERTILIZER MIXTURES AND MATERIALS,
YEAR ENDED JUNE 30, 1982 1/

STATE	MIXTURES 1/			MATERIALS 2/			TOTAL MIXTURES AND MATERIALS JUL 1 1981 TO JUN 30 1982
	JUL 1 TO DEC 31 1981	JAN 1 TO JUN 30 1982	TOTAL	JUL 1 TO DEC 31 1981	JAN 1 TO JUN 30 1982	TOTAL	
	TONS	TONS	TONS	TONS	TONS	TONS	
ALA	146,925	396,193	543,118	91,314	271,271	362,585	905,703
ALAS	0	4,360	4,360	0	9,425	9,425	13,785
ARIZ	28,842	42,726	71,568	127,005	168,665	295,670	367,238
ARK	101,772	213,046	314,818	144,650	355,137	499,787	814,605
CALIF	291,614	381,889	673,503	1,472,809	1,320,761	2,793,570	3,467,073
COLO	34,236	68,894	103,130	191,636	232,835	424,471	527,601
CONN	5,742	28,353	34,095	3,224	10,119	13,343	47,436
DEL	12,045	45,260	57,305	12,536	46,773	59,309	116,614
D C	2,990	4,610	7,600	420	613	1,033	8,633
FLA	636,632	957,611	1,594,243	128,844	211,560	340,404	1,934,647
GA	252,294	730,750	983,044	180,193	550,704	730,897	1,713,941
HAW	61,664	39,133	100,797	36,338	19,304	55,642	156,439
IDAMO	50,125	47,966	98,091	190,385	341,539	531,924	630,015
ILL	716,882	734,705	1,451,587	1,102,983	1,817,683	2,920,666	4,372,253
IND	363,914	811,325	1,175,239	363,463	1,046,113	1,409,576	2,604,815
IOWA	508,487	578,146	1,086,633	1,069,115	1,475,865	2,544,980	3,631,613
KANS	273,762	144,678	418,440	491,898	551,765	1,043,663	1,462,103
KY	108,690	394,677	503,367	162,867	437,773	600,640	1,109,007
LA	87,940	265,045	352,985	87,851	208,727	296,578	649,563
MAINE	17,920	66,907	84,827	1,847	7,530	9,377	94,204
MD	38,340	176,735	215,075	36,685	101,843	140,528	355,603
MASS	9,945	29,265	39,210	3,524	11,990	15,514	54,724
MICH	142,317	519,958	662,275	208,910	474,363	683,273	1,345,548
MINN	311,377	413,228	724,605	675,608	728,449	1,404,057	2,128,662
MISS	112,249	250,551	371,800	128,667	290,187	418,854	782,654
MO	473,397	532,980	1,006,377	94,445	400,761	495,206	1,501,583
MONY	62,307	87,993	150,300	90,353	152,274	242,627	392,927
NEBR	107,696	338,023	445,719	332,497	979,693	1,312,190	1,757,909
NEV	1,456	4,356	5,812	7,293	16,835	24,128	29,940
N H	7,018	14,298	21,316	1,485	2,840	4,325	25,649
N J	37,193	124,854	162,047	7,984	29,570	37,554	199,601
N MEX	8,704	21,928	30,632	22,533	49,713	72,246	102,878
N Y	103,211	329,490	432,701	50,994	138,037	189,031	621,732
N C	193,145	929,002	1,122,147	116,796	597,030	713,826	1,835,973
N DAK	73,519	190,095	263,614	154,454	277,564	432,018	695,632
OHIO	249,740	657,652	907,432	433,131	910,304	1,343,435	2,250,867
OKLA	171,436	89,276	260,712	251,061	243,173	494,234	754,946
OREG	46,379	58,770	105,149	144,939	336,114	481,053	586,202
PA	114,402	337,589	451,991	48,754	119,953	168,707	620,698
R I	2,331	7,756	10,087	736	1,645	2,381	12,468
S C	91,026	359,738	450,764	44,281	207,918	252,199	702,963
S DAK	51,954	97,887	149,841	117,817	166,471	284,288	434,129
TENN	67,601	236,692	304,293	127,515	279,640	407,155	711,448
TEX	474,790	987,799	1,462,589	378,530	732,660	1,103,190	2,565,779
UTAH	3,529	15,549	19,118	27,640	81,265	108,905	128,023
VT	7,995	34,308	42,303	2,920	9,065	11,985	54,288
VA	124,245	440,832	565,077	69,274	162,230	231,504	796,581
WASH	43,278	111,357	154,635	282,495	467,998	750,493	905,128
W VA	8,587	33,898	42,485	11,145	21,744	32,889	75,374
WISC	146,109	305,115	451,224	440,043	616,479	1,056,522	1,507,746
WYO	16,071	6,470	22,541	37,257	26,102	63,359	85,980
P R	34,706	42,500	77,206	1,145	1,576	2,721	79,927
TOTAL	7,058,569	13,756,258	20,814,827	10,196,269	17,721,656	27,917,945	48,732,772

1/ EXCLUDES LIMING MATERIALS.

2/ INCLUDES PRIMARY NUTRIENT MATERIALS (N, P O, K O) AND SECONDARY/MICRONUTRIENT MATERIALS FOR DIRECT APPLICATION.

2 5 2

TABLE 5 -- DIRECT APPLICATION NITROGEN MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1981 AND 1982

STATE	AMMONIA				AMMONIUM			
	ANHYDROUS		AQUA		NITRATE		SULFATE	
	1981	1982	1981	1982	1981	1982	1981	1982
	1	1	1	1	1	1	1	1
TONS								
ALA	16,495	13,935	1,978	3,236	196,380	169,955	155	88
ALAS	0	0	0	0	875	385	55	75
ARIZ	56,639	48,840	36,314	28,657	3,274	4,072	6,403	6,548
ARK	10,066	6,434	1,124	993	110,093	81,963	4,138	4,313
CALIF	221,044	181,543	398,098	363,694	99,344	84,459	184,192	156,496
COLO	73,778	88,999	0	19	43,559	58,692	30,470	16,935
CONN	0	0	60	0	140	150	24	10
DEL	772	701	0	0	3,166	3,197	4,565	3,623
D C	14	12	0	0	80	78	0	0
FLA	10,451	7,020	109	0	70,435	71,568	7,554	8,711
GA	28,691	32,017	13	63	149,674	123,001	7,799	7,690
HAW	0	0	2,413	382	0	0	1,231	735
IDAH0	62,629	55,259	10,292	11,681	79,246	69,965	109,056	123,952
ILL	707,795	685,432	251	0	70,766	58,420	6,235	4,085
IND	238,989	277,547	6,069	17,576	18,899	14,560	16,321	12,171
IOWA	896,180	782,146	2,731	3,130	66,251	52,328	9,493	10,932
KANS	452,169	438,242	789	1,422	209,661	151,259	5,597	3,586
KY	48,260	52,377	0	0	183,018	172,300	4,229	1,764
LA	26,837	25,224	561	0	118,057	101,655	29,531	19,679
MAINE	0	0	0	0	1,846	1,701	4,357	1,208
MD	5,330	10,953	0	0	7,475	5,020	3,706	2,465
MASS	0	0	0	0	177	175	24	22
MICH	118,389	119,999	661	491	19,535	16,607	10,991	8,223
MINN	471,562	405,650	424	913	50,321	35,397	10,392	6,663
MISS	63,150	44,618	0	0	195,264	173,599	0	0
MO	116,277	103,476	18	548	189,232	110,551	696	45
MONT	23,386	48,250	0	54	75,116	75,029	8,109	9,020
NEBR	650,333	540,624	4,967	4,056	99,113	81,679	13,897	13,698
NEV	525	371	0	0	333	232	3,015	3,361
N H	0	0	0	0	247	247	92	92
N J	315	431	55	12	3,243	3,228	481	348
N MEX	17,369	15,611	0	0	4,485	4,079	5,102	4,227
N Y	14,379	13,472	0	2	12,606	10,476	4,727	1,674
N C	13,535	11,161	5	240	56,246	52,201	3,666	1,721
N DAK	268,562	260,549	0	0	21,533	27,469	1,443	1,297
OHIO	172,204	206,224	2,664	1,402	17,201	14,569	21,341	15,750
OKLA	153,937	169,586	0	0	146,160	97,952	4,823	5,349
OREG	26,676	21,534	34,722	29,603	25,414	22,353	80,782	80,056
PA	4,334	6,373	139	0	5,498	3,784	7,107	5,277
R I	0	0	0	0	6	26	0	0
S C	4,471	2,521	204	0	27,080	27,279	2,243	2,348
S DAK	83,857	81,323	2,755	350	61,368	56,453	0	1,229
TENN	13,615	10,348	0	0	119,217	89,805	32	50
TEX	368,934	269,922	7,654	8,126	274,364	236,012	155,591	106,786
UTAH	17,848	17,600	0	0	35,986	35,000	26,915	27,402
VT	123	123	0	0	374	374	55	55
VA	363	551	3	0	13,831	16,616	1,929	2,114
WASH	87,258	77,431	201,755	189,599	52,490	51,099	34,793	35,383
W VA	10,399	2,983	0	0	2,580	2,444	315	584
WISC	112,280	102,312	10,790	9,260	28,727	35,058	10,430	7,487
WYO	13,986	7,597	58	148	52,276	33,171	759	578
P R	0	0	950	20	476	10	1,658	1,165
TOTAL	5,684,606	5,247,325	728,626	667,677	3,020,738	2,538,102	846,445	727,120

TABLE 5 -- DIRECT APPLICATION NITROGEN MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1981 AND 1982--CONTINUED

STATE	NITROGEN SOLUTIONS		SODIUM NITRATE		UREA		AMMONIUM NITRATE-LINESTONE	
	1981	1982	1981	1982	1981	1982	1981	1982
TONS								
ALA	89,616	100,102	1,115	1,548	4,158	4,480	0	0
ALAS	0	0	0	0	2,230	8,810	0	0
ARIZ	120,214	105,802	0	0	33,321	29,341	485	0
ARK	87,843	81,106	3,233	3,020	258,882	285,794	0	0
CALIF	516,764	483,586	7,940	8,561	65,222	74,258	2,930	243
COLO	121,468	147,873	7	0	7,303	13,382	24	5
CONN	437	148	66	129	3,514	3,467	0	3
DEL	46,200	32,224	0	1	366	463	0	0
D C	80	75	42	40	60	58	0	0
FLA	85,397	76,843	1,370	2,756	3,378	4,279	272	52
GA	469,638	369,202	3,583	2,395	2,212	4,502	218	84
HAW	10,115	18,279	3	0	3,618	4,035	0	0
IDAHO	73,410	82,229	0	0	41,920	56,512	0	0
ILL	595,065	774,160	1	0	109,863	111,566	0	0
IND	508,683	517,939	0	189	75,857	71,379	16	0
IOWA	564,456	624,629	0	0	154,102	147,886	0	0
KANS	298,049	287,264	0	0	70,305	71,979	0	0
KY	64,251	65,931	1,310	1,526	52,607	58,934	24	53
LA	37,769	54,803	980	886	39,597	48,967	94	0
MAINE	451	42	0	0	3,243	2,210	0	0
MD	78,854	74,876	796	1,068	7,836	4,878	0	0
MASS	96	542	6	20	601	2,547	2	0
MICH	141,875	148,867	194	6	83,528	79,863	0	0
MINN	196,157	164,546	0	0	188,166	173,871	0	4
MISS	65,827	72,037	6,074	2,833	61,678	73,008	0	0
MO	142,196	154,603	339	314	66,152	61,234	736	134
MONT	15,717	20,258	0	0	26,363	34,043	0	0
NEBR	458,304	437,277	0	0	42,226	49,588	0	0
NEV	3,021	4,193	0	0	440	410	1	0
N H	6	0	0	0	500	500	0	0
N J	7,495	9,283	643	388	5,199	4,774	0	6
N MEX	14,883	21,743	0	0	5,981	7,474	42	0
N Y	61,502	54,242	780	619	22,206	19,911	0	0
N C	438,137	391,427	35,256	24,351	2,962	5,656	78	44
N DAK	62,218	55,486	0	0	62,865	43,633	0	0
OHIO	449,249	475,679	42	0	141,693	107,327	0	0
OKLA	109,056	102,265	541	0	65,600	69,182	0	0
OREG	67,128	75,388	0	0	75,946	66,392	0	0
PA	63,063	84,842	3	11	38,856	34,032	60	11
R I	0	0	6	4	263	491	0	0
S C	219,712	171,262	6,183	5,426	1,170	928	0	0
S DAK	33,114	44,649	0	0	56,073	51,923	1,125	0
TENN	45,641	40,080	3,046	5,983	78,585	91,714	0	0
TEX	368,554	327,146	0	0	62,518	61,347	0	0
UTAH	3,906	4,016	0	0	2,600	2,700	0	0
VT	2,216	2,016	0	0	2,474	2,474	0	0
VA	157,979	150,043	3,177	3,928	5,490	4,741	384	32
WASH	154,133	135,243	0	0	61,138	50,387	0	0
W VA	8,160	5,389	193	248	4,446	7,100	0	0
WISC	191,274	181,321	0	0	91,803	87,027	0	39
WYO	20,930	7,255	0	0	1,629	1,985	27	70
P R	0	15	0	0	696	350	0	0
TOTAL	7,270,118	7,238,266	76,909	66,250	2,219,461	2,201,192	6,518	780

TABLE 6 -- DIRECT APPLICATION NITROGEN, AND SECONDARY AND MICRONUTRIENT MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1981 AND 1982

STATE	NITROGEN MATERIALS		SECONDARY AND MICRONUTRIENT			
	OTHER		GYPSUM		OTHER	
	1981	1982	1981	1982	1981	1982
TONS						
ALA	2,388	1,742	504	474	10,719	9,307
ALAS	0	0	0	0	0	0
ARIZ	917	2,253	64,161	41,547	6,527	6,891
ARK	1,355	261	0	0	3,534	3,451
CALIF	92,704	80,415	1,281,580	978,648	181,277	122,867
COLO	42,918	38,617	964	1,296	8,483	12,718
CONN	516	197	98	77	35	94
DEL	419	13	0	0	2,988	2,688
D C	2	2	0	0	50	50
FLA	7,409	7,405	19,688	12,896	21,810	15,355
GA	12,363	14,025	171,899	104,488	5,314	2,362
HAW	104	1,952	3	0	725	1,015
IDAHO	37,154	37,318	2,470	2,235	19,136	16,771
ILL	11,536	16,346	134	5,358	2,205	61
IND	15,524	34,185	821	67	6,999	6,770
IOWA	0	3,515	16,726	11,540	38,396	17,809
KANS	2,885	0	17,019	4,000	14,965	11,726
KY	2,690	313	5,133	2,000	4,601	4,909
LA	237	3,567	0	0	20,033	7,484
MAINE	0	9	27	0	0	0
MD	21	2,373	0	19	386	1,122
MASS	383	233	380	45	86	639
MICH	9,243	3,941	0	0	4,252	5,479
MINN	1,222	1,112	4,368	3,194	8,332	8,248
MISS	0	0	193	150	30	30
MO	1,248	420	8,023	5,351	127	137
MONT	1,387	2,430	422	673	5,699	2,946
NEBR	1,675	956	1,608	745	29,693	50,410
NEV	2,642	603	6,776	8,369	281	765
N H	110	116	0	0	1	1
N J	1,574	2,226	535	531	1,425	2,261
N MEX	3,037	2,929	0	0	1,392	3,743
N Y	1,620	2,738	350	39	1,952	4,367
N C	23,496	9,708	104,499	145,623	4,336	5,451
N DAK	603	653	7	7	2,079	2,401
OHIO	2,905	6,378	266	110	3,711	4,375
OKLA	102	116	260	0	880	653
OREG	51,888	58,930	11,237	7,184	5,502	7,577
PA	8,117	1,502	159	0	549	293
R I	0	2	0	0	0	0
S C	4,948	5,556	6,084	3,176	10,207	1,217
S DAK	29,656	13,453	0	0	320	424
TENN	2,085	561	1,260	0	1,825	2,812
TEX	8,694	11,516	21	0	994	435
UTAH	2,500	2,311	176	175	75	72
VT	2,340	2,000	0	0	84	70
VA	4,621	4,445	22,619	21,683	6,741	2,457
WASH	57,496	61,934	7,719	7,536	13,652	11,795
W VA	536	326	0	0	143	121
WISC	5,982	24,077	1,536	822	12,829	21,921
WYO	4,367	2,093	1,033	133	1,019	501
P R	0	0	0	0	0	0
TOTAL	465,819	468,165	1,760,758	1,370,191	466,399	384,251

TABLE 7 -- DIRECT APPLICATION PHOSPHATE MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1981 AND 1982

STATE	PHOSPHATE ROCK		SUPERPHOSPHATES				AMMONIUM PHOSPHATES		OTHER PHOSPHATES	
	1/		22 PERCENT & UNDER		OVER 22 PERCENT		2/			
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
TON										
ALA	0	0	8,048	5,500	8,274	8,663	44	23	22,339	12,444
ALAS	0	0	0	0	420	10	195	0	10	95
ARIZ	0	0	2,132	0	2,964	3,233	33,626	21,648	764	4,543
ARK	401	24	576	353	7,176	5,597	524	4,941	11	75
CALIF	2,685	522	35,111	12,624	31,657	32,132	148,234	111,679	26,416	6,348
COLO	0	0	0	1	5,546	7,745	5,154	14,000	21	3,132
CONN	19	18	53	95	510	480	1,468	1,318	118	123
DEL	0	0	0	0	2,359	1,659	0	156	0	0
D C	0	0	10	10	8	10	0	0	0	0
FLA	624	119	6,888	9,234	0	0	2,860	3,516	10,821	8,988
GA	0	0	7,440	5,001	4,499	2,507	2,331	1,738	18,786	7,275
HAW	327	188	0	0	4,419	614	0	33	7,789	9,901
IDAHO	0	0	33	6	18,338	14,402	23,491	37,013	1,235	10,389
ILL	0	0	2,172	1,520	232,544	181,688	60	72	7,084	10,838
IND	819	0	0	95	42,540	45,820	0	0	36,658	10,292
IOWA	2,882	956	2,414	601	120,952	69,498	1,889	2,589	1,373	5,062
KANS	751	625	504	835	25,853	10,831	3,070	4,049	0	0
KY	261	43	52	38	58,614	50,931	71	6	122	6
LA	483	0	59	9	4,388	4,287	237	93	1,866	1,296
MAINE	310	112	25	0	325	185	0	0	33	22
MD	0	0	154	264	8,435	9,394	0	0	10	91
MASS	10	13	66	115	164	303	0	0	120	174
MICH	60	748	85	182	18,080	20,620	10,666	3,985	1,612	298
MINN	2,529	857	88	19	70,730	52,210	5,334	3,861	3,083	1,961
MISS	0	0	169	117	7,871	10,266	99	0	23,126	11,706
MO	679	68	14	32	3,477	3,647	0	25	112	21
MONT	0	0	0	0	7,259	6,095	25,567	22,153	422	2,350
NEBR	0	0	2,818	2,778	32,920	21,704	8,067	4,836	594	1,173
NEV	0	0	1,098	4	385	973	2,722	2,645	22	2
N H	6	6	35	35	244	244	0	0	44	44
N J	121	3	1,085	52	778	676	86	288	344	306
N MEX	0	0	0	0	4,352	3,310	4,945	2,441	57	68
N Y	553	175	777	367	7,261	6,647	9,324	9,140	9,577	8,090
N C	0	219	4,856	2,965	5,141	5,984	0	1	1,499	909
N DAK	0	0	0	0	20,309	16,452	3,563	2,715	293	293
OHIO	241	0	536	656	93,513	69,703	0	50	4,167	1,404
OKLA	0	0	427	483	22,748	11,843	3,741	1,410	42	246
OREG	147	41	6,492	1,017	5,715	8,952	64,868	51,523	6,468	22,317
PA	599	458	110	35	8,171	7,494	0	0	1,027	123
R I	4	0	10	4	17	10	738	232	63	55
S C	0	0	2,147	1,241	3,135	3,268	0	0	2,327	722
S DAK	244	49	528	0	16,460	12,451	39	100	1,180	490
TENN	0	0	519	47	44,611	32,097	270	2,377	0	0
TEX	0	0	0	0	10,187	6,943	70,050	46,915	4,164	2,087
UTAH	0	0	700	600	15,643	15,300	3,535	1,894	288	280
VT	0	0	35	35	1,032	1,032	95	0	200	0
VA	59	297	2,294	411	2,847	2,929	0	0	100	114
WASH	81	0	134	0	8,100	5,800	44,186	42,902	24,104	23,617
W VA	0	0	57	14	4,038	4,059	3	0	16	97
WISC	2,621	1,475	21,500	25,597	53,816	51,931	1,979	106	1,555	4,595
WYO	0	0	273	681	2,870	2,740	4,815	284	6,591	5,259
P R	0	0	0	0	58	160	0	100	0	0
TOTAL	17,516	7,016	112,524	73,673	1,051,653	835,529	485,946	402,857	228,430	179,723

1/ INCLUDES COLLOIDAL PHOSPHATE.

2/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0 AND 27-14-0.

TABLE 8 -- DIRECT APPLICATION POTASH AND NATURAL ORGANIC MATERIALS CONSUMPTION,
YEARS ENDED JUNE 30, 1981 AND 1982

STATE	POTASH MATERIALS				NATURAL ORGANICS	
	CHLORIDE 50-62 PERCENT GRADES		OTHER			
	1981	1982	1981	1982	1981	1982
	TONS	TONS	TONS	TONS	TONS	TONS
ALA	17,200	19,198	10,116	7,379	4,892	4,511
ALAB	250	50	20	0	0	0
ARIZ	511	295	0	0	0	0
ARK	23,062	19,184	638	1,591	1,887	683
CALIF	37,939	22,806	10,485	10,152	55,866	62,537
COLO	13,526	7,368	4,912	10,898	1,098	2,591
CONN	2,439	2,333	229	171	5,643	4,530
DEL	17,294	13,485	2	395	656	704
D C	51	48	0	0	700	650
FLA	20,408	19,659	54,499	61,058	35,859	30,945
GA	22,722	19,047	31,422	25,981	9,432	9,599
HAW	1,153	2,931	15,691	15,527	0	0
IDAH	9,914	10,145	3,979	4,047	0	0
ILL	1,136,593	1,062,622	7,029	5,998	3,000	2,500
IND	381,547	352,808	55,138	43,870	7,064	4,308
IOWA	867,041	809,292	213	2,921	0	146
KANS	59,664	57,620	51	25	400	200
KY	155,648	154,875	29,182	31,462	2,732	3,172
LA	11,326	10,654	29,371	19,628	190	346
MAINE	1,598	1,652	182	202	537	2,034
MD	35,339	23,812	1,151	3,413	1,125	780
MASS	753	2,645	184	473	8,274	7,568
MICH	254,319	238,730	7,922	7,021	32,075	28,213
MINN	674,184	537,556	9,841	7,917	526	78
MISS	21,210	22,340	42	0	0	150
MO	43,128	46,197	8,365	4,608	5,015	3,795
MONT	12,673	18,956	6,895	40	668	330
NEBR	69,270	51,340	69,666	50,924	402	202
NEV	31	0	1	448	1,899	1,752
N H	1,530	1,530	7	7	1,511	1,511
N J	5,081	4,957	390	328	8,477	7,456
N MEX	598	1,066	3,943	3,754	2,582	1,801
N Y	41,803	37,363	7,273	5,047	15,279	14,662
N C	26,748	30,153	17,890	19,982	5,112	6,630
N DAK	23,447	20,663	0	0	803	400
OHIO	458,348	426,037	5,264	3,554	10,999	10,225
OKLA	34,601	27,369	2,333	1,859	5,783	5,919
OREG	27,775	24,143	3,655	5,459	62	584
PA	29,270	23,618	992	791	59	63
R I	27	436	0	0	967	1,121
S C	14,254	13,940	10,175	9,288	2,926	4,027
S DAK	25,998	20,501	34	18	201	435
TENN	138,048	125,918	5,308	5,963	229	200
TEX	17,078	14,891	12,012	8,964	2,723	2,100
UTAH	160	255	0	0	1,300	1,300
VT	2,905	2,905	788	700	11	201
VA	10,145	11,633	4,801	3,727	5,659	5,783
WASH	37,728	33,490	8,846	6,834	15,909	17,443
W VA	6,534	8,197	965	93	982	1,234
WISC	507,265	486,635	16,809	16,760	216	99
WYO	1,206	450	342	339	0	75
P R	42	210	543	570	25	121
TOTAL	5,301,384	4,844,008	457,488	410,106	261,757	255,714

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,
YEARS ENDED JUNE 30, 1981 AND 1982 1/

STATE	JULY 1 TO DECEMBER 31, 1980									
	MIXTURES					MIXTURES AND DIRECT APPLICATION MATERIALS				
	AVAILABLE					AVAILABLE				
	P O					P O				
	N	2 S	K O	TOTAL		N	2 S	K O	TOTAL	
NUTRIENT TONS										
ALA	12,379	24,599	26,217	63,195	40,032	26,358	29,567	95,957		
ALAS	0	0	0	0	0	0	0	0		
ARIZ	3,801	9,924	47	13,772	46,844	15,830	104	62,778		
ARK	6,479	16,002	17,213	39,694	62,401	16,798	19,126	96,325		
CALIF	49,680	59,187	26,021	134,888	292,185	104,092	43,182	439,459		
COLO	4,757	10,196	390	15,343	52,227	11,045	2,626	66,098		
CONN	928	578	616	2,122	1,490	798	1,024	3,312		
DEL	3,224	5,610	7,338	16,172	7,642	6,179	11,267	25,088		
D C	507	169	199	875	536	174	205	915		
FLA	67,033	34,285	84,256	185,574	89,540	36,397	90,816	216,753		
GA	18,927	32,399	47,357	98,683	63,214	33,802	50,879	147,895		
HAW	7,695	6,149	10,037	23,881	9,540	7,465	11,263	28,268		
IDAHO	8,053	17,113	198	25,374	68,928	23,218	1,920	94,066		
ILL	97,549	254,455	78,582	430,586	350,609	320,684	503,160	1,174,433		
IND	36,595	113,748	122,860	273,203	129,502	130,284	256,016	515,722		
IOWA	92,355	238,270	56,268	386,893	463,789	274,223	400,289	1,138,301		
KANS	40,074	109,074	6,023	155,171	341,110	116,334	27,198	484,642		
KY	14,820	36,238	14,677	65,735	42,058	48,500	53,541	144,099		
LA	10,857	15,677	19,802	47,336	45,194	17,721	23,299	86,214		
MAINE	2,235	2,611	2,527	7,373	2,861	2,654	2,730	8,245		
MD	7,123	12,945	10,035	30,103	16,841	15,440	19,794	52,095		
MASS	3,064	3,846	2,803	9,513	3,405	3,959	2,987	10,351		
MICH	17,668	45,613	36,313	99,614	62,885	51,357	102,591	216,833		
MINN	50,989	132,678	20,164	203,831	306,148	152,074	244,285	702,547		
MISS	9,584	22,224	25,515	57,323	64,421	23,380	28,699	116,500		
MO	83,377	105,738	143,200	332,315	124,592	106,992	159,574	391,158		
MONT	8,718	26,507	183	35,408	29,892	29,402	3,700	62,994		
NEBR	17,534	45,459	2,575	65,568	228,561	51,954	17,311	297,826		
NEV	207	272	59	538	1,022	653	72	1,747		
N H	860	724	862	2,446	1,069	773	1,188	3,030		
N J	4,616	3,925	4,327	12,868	6,047	4,324	4,889	15,260		
N MEX	1,331	3,160	310	4,801	9,547	4,499	961	15,007		
N Y	8,355	21,695	21,002	51,052	23,085	24,411	29,478	74,974		
N C	18,391	30,348	34,524	83,263	37,151	30,962	37,431	105,544		
N DAK	12,093	33,677	1,404	47,374	125,374	38,798	5,695	169,867		
OHIO	36,458	95,621	61,962	194,041	106,104	121,833	212,076	440,013		
OKLA	26,492	61,866	7,445	95,803	172,957	69,482	17,803	260,242		
OREG	5,823	13,104	2,512	21,439	50,209	23,264	10,973	84,446		
PA	10,546	21,690	14,637	46,875	20,537	23,190	20,270	63,997		
R I	286	194	207	687	422	392	214	1,028		
S C	6,379	11,593	20,169	38,141	21,317	12,427	21,405	53,549		
S DAK	8,772	18,790	1,711	29,273	63,226	22,611	7,121	92,958		
TENN	17,254	40,928	10,771	68,953	50,115	48,081	41,266	139,462		
TEX	86,380	102,195	31,677	220,252	285,245	110,255	34,916	430,416		
UTAH	543	1,495	31	2,069	10,324	3,620	65	14,009		
VT	845	1,069	1,385	3,299	1,174	1,244	2,248	4,666		
VA	8,897	16,221	18,847	43,965	22,637	16,440	20,921	60,398		
WASH	5,637	10,445	2,956	19,038	97,286	18,721	4,245	124,252		
W VA	1,066	2,114	1,173	4,353	3,060	3,045	3,161	9,266		
WISC	18,962	50,258	15,983	85,203	76,110	66,817	172,880	315,815		
WYO	1,137	2,880	32	3,969	17,084	6,223	835	24,142		
P R	5,446	2,161	4,072	12,479	5,816	2,174	5,034	13,024		
TOTAL	962,813	1,928,839	1,020,074	3,911,726	4,153,433	2,281,633	2,766,900	9,201,986		

1/ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,
YEARS ENDED JUNE 30, 1981 AND 1982 1/--CONTINUED

STATE	JANUARY 1 TO JUNE 30, 1981											
	MIXTURES						MIXTURES AND DIRECT APPLICATION MATERIALS					
	AVAILABLE						AVAILABLE					
	P	O	K	P	O	K	P	O	K	P	O	K
	N	2	5	2	5	2	N	2	5	2	5	2
NUTRIENT TONS												

ALA	37,609	67,400	78,926	183,935	122,167	73,297	87,499	282,963				
ALAB	863	944	662	2,469	2,207	1,251	822	4,280				
ARIZ	5,006	12,746	114	17,866	74,764	16,983	364	92,111				
ARK	27,100	43,588	55,033	125,721	164,240	46,285	67,113	277,638				
CALIF	47,529	58,013	29,387	134,929	360,974	87,332	38,430	486,736				
COLO	13,386	30,381	1,513	45,280	181,271	33,510	8,429	143,210				
CONN	4,585	2,835	3,020	10,440	6,329	3,535	4,295	14,159				
DEL	4,877	7,584	9,716	22,177	17,266	8,110	16,356	41,732				
D C	786	260	307	1,353	861	272	339	1,472				
FLA	110,588	66,191	164,217	340,936	158,805	70,855	181,464	411,124				
GA	61,036	103,544	159,700	324,280	237,101	108,990	177,026	523,117				
HAW	6,755	4,789	8,581	20,125	9,367	6,164	10,700	26,231				
IDAHO	9,547	21,707	184	31,438	106,521	29,958	5,385	141,864				
ILL	74,404	172,844	59,632	306,880	648,991	215,667	320,409	1,185,867				
IND	68,003	179,131	145,047	392,181	364,224	194,888	263,093	822,205				
IOWA	79,591	185,639	57,025	322,255	700,997	206,559	237,092	1,144,648				
KANS	26,886	68,744	4,762	100,392	286,982	74,228	19,995	381,205				
KY	41,099	81,518	52,141	174,758	158,991	95,917	120,738	375,646				
LA	32,572	50,030	59,407	142,009	96,344	51,970	65,980	214,214				
MAINE	8,219	9,856	9,498	27,573	10,728	9,992	10,311	31,031				
MD	24,985	39,324	39,664	103,973	50,359	40,648	51,699	142,786				
MASS	5,611	3,292	3,641	12,544	5,947	3,498	3,906	13,351				
MICH	52,210	115,329	73,517	241,056	197,251	125,158	162,321	484,730				
MINN	63,352	156,358	35,327	255,037	357,038	172,223	219,077	748,338				
MISS	22,902	53,114	60,969	136,985	132,750	57,769	70,729	261,240				
MO	87,072	82,829	121,480	291,381	277,356	83,284	133,666	494,566				
MONT	11,310	34,792	536	46,638	56,548	40,667	7,136	104,351				
NEBR	47,530	128,410	12,276	188,216	556,935	139,010	54,111	750,056				
NEV	638	852	149	1,639	3,209	1,010	180	4,910				
N H	1,615	1,600	1,561	4,976	1,997	1,709	2,202	5,968				
N J	15,088	13,058	13,315	41,461	20,602	13,535	16,165	50,302				
N MEX	2,996	6,982	1,080	1,058	19,670	8,853	1,875	30,398				
N Y	34,639	48,472	44,706	127,817	69,788	56,885	63,666	190,339				
N C	73,609	109,266	179,787	362,662	226,722	112,038	196,717	535,477				
N DAK	29,344	75,190	7,085	111,619	190,479	80,574	16,887	287,940				
OHIO	72,041	162,973	91,629	326,643	345,662	181,505	219,728	746,895				
OKLA	17,494	34,472	8,787	60,753	108,968	38,307	19,755	167,030				
OREG	9,325	17,413	2,858	29,596	180,135	29,984	12,231	142,270				
PA	35,840	52,941	38,855	127,636	71,976	55,735	50,183	177,894				
R I	1,028	700	744	2,472	1,194	933	783	2,910				
S C	24,853	45,033	86,666	156,552	88,135	46,305	96,878	231,318				
S DAK	17,785	37,562	3,521	58,868	97,437	41,715	13,809	152,961				
TENN	31,888	66,786	39,139	137,813	99,529	80,388	95,282	275,199				
TEX	184,646	158,606	73,224	396,476	553,132	170,798	83,464	867,394				
UTAH	2,406	5,838	153	8,397	28,483	12,263	228	40,974				
VT	4,141	4,998	5,126	14,265	6,716	5,446	6,198	18,360				
VA	38,686	51,108	67,659	157,253	79,315	52,175	72,740	204,230				
WASH	19,194	32,593	10,684	62,471	162,907	47,450	32,097	242,454				
W VA	3,001	4,949	3,305	11,255	15,091	5,860	5,869	26,760				
WISC	37,580	88,643	46,835	173,058	183,656	101,727	199,503	484,886				
WYO	491	1,174	42	1,707	22,259	5,542	64	27,865				
P R	9,348	3,517	7,462	20,327	9,998	3,531	7,583	21,112				
TOTAL	1,623,229	2,805,918	1,988,474	6,409,621	7,770,374	3,152,719	3,552,432	14,475,725				

1/ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,
YEARS ENDED JUNE 30, 1981 AND 1982 1/--CONTINUED

JULY 1, 1980 TO JUNE 30, 1981										
STATE	MIXTURES				MIXTURES AND DIRECT APPLICATION MATERIALS					
	AVAILABLE		K	O	TOTAL	AVAILABLE		K	O	TOTAL
	P	O				P	O			
	N	2	5	2		N	2	5	2	
NUTRIENT TONS										
ALA	49,988	91,999	105,143	247,130	162,199	99,655	117,066	378,920		
ALAB	863	944	662	2,469	2,207	1,251	822	4,280		
ARIZ	8,807	22,670	161	31,638	121,608	32,813	468	154,889		
ARK	33,379	59,590	72,246	165,415	226,641	63,083	86,239	375,963		
CALIF	97,209	117,200	55,408	269,817	533,159	191,424	81,612	926,195		
COLO	18,143	40,577	1,903	60,623	153,498	44,555	11,255	209,368		
CONN	5,513	3,413	3,636	12,562	7,819	4,333	5,319	17,471		
DEL	8,101	13,194	17,054	38,349	24,908	14,289	27,623	66,820		
D C	1,293	429	506	2,228	1,397	446	544	2,367		
FLA	177,561	100,476	248,473	526,510	248,345	107,252	272,280	627,877		
GA	79,943	135,943	207,057	422,963	300,315	142,792	227,905	671,012		
HAW	14,450	10,938	18,618	44,006	18,907	13,629	21,963	54,499		
IDAH0	17,610	38,820	382	56,812	175,449	53,176	7,305	235,930		
ILL	171,953	427,299	138,214	737,466	999,600	536,331	823,569	2,359,500		
IND	104,598	292,079	267,907	665,384	493,726	325,092	519,109	1,337,927		
IOWA	171,946	423,909	113,293	709,148	1,164,786	480,782	637,381	2,282,949		
KANS	66,960	177,818	10,785	255,563	620,092	190,562	47,193	865,847		
KY	55,919	117,756	66,818	240,493	201,049	144,417	174,279	519,745		
LA	43,429	66,707	79,209	189,345	141,538	69,691	89,199	300,428		
MAINE	10,454	12,467	12,025	34,946	13,589	12,646	13,041	39,276		
MD	32,108	52,269	49,699	134,076	67,220	56,088	71,493	194,601		
MASS	8,675	7,138	6,264	22,077	9,352	7,457	6,893	23,702		
MICH	69,898	160,942	109,830	340,670	260,136	176,515	264,912	781,543		
MINN	114,341	289,036	55,491	458,868	663,226	324,297	463,362	1,450,885		
MISS	32,486	75,338	86,484	194,308	197,171	81,149	99,428	377,748		
MO	170,449	188,567	264,680	623,696	401,948	190,276	293,440	885,664		
MONT	20,024	61,299	719	82,046	86,440	70,069	10,836	167,345		
NEBR	65,064	173,669	14,551	253,784	785,496	190,964	71,422	1,047,882		
NEV	845	1,124	208	2,177	4,231	2,174	252	6,657		
N H	2,675	2,324	2,423	7,422	3,066	2,482	3,390	8,938		
N J	19,704	16,983	17,642	54,329	26,649	17,859	21,654	65,562		
N MEX	4,327	10,142	1,390	15,859	29,217	13,352	2,836	45,405		
N Y	42,994	70,167	65,708	178,869	92,673	81,296	93,144	267,313		
N C	92,000	139,614	214,311	445,925	263,873	143,000	234,148	641,021		
N DAK	41,637	109,067	8,489	158,993	315,853	119,372	22,582	457,807		
OHIO	108,499	258,594	153,591	520,684	451,766	303,338	431,804	1,186,908		
OKLA	43,986	96,338	16,232	156,556	281,925	107,789	37,558	427,272		
OREG	15,148	30,517	5,370	51,035	150,344	53,168	23,204	226,716		
PA	46,388	74,631	53,492	174,511	92,513	78,925	70,453	241,891		
R I	1,314	894	951	3,159	1,616	1,325	997	3,938		
S C	31,252	56,626	106,835	194,693	109,452	58,732	118,683	286,867		
S DAK	26,557	56,352	5,232	88,141	160,663	64,326	20,930	245,919		
TENN	49,142	107,714	49,910	206,766	149,644	128,469	136,548	414,661		
TEX	251,024	260,801	104,901	616,726	838,377	281,053	118,388	1,237,810		
UTAH	2,949	7,333	184	10,466	38,807	15,883	293	54,983		
VT	4,986	6,067	6,511	17,564	7,890	6,690	8,446	23,026		
VA	47,583	67,329	46,306	201,218	101,952	69,015	93,661	264,628		
WASH	24,831	43,038	13,640	81,509	260,193	66,171	40,342	366,706		
W VA	4,067	7,063	4,478	15,608	18,151	8,905	8,970	36,026		
WISC	58,542	138,901	62,818	258,261	259,774	168,544	372,583	800,701		
WYD	1,628	3,974	74	5,676	39,343	11,765	899	52,007		
P R	14,794	5,678	12,334	32,806	15,814	5,705	12,617	34,136		
TOTAL	2,586,042	4,734,757	3,000,546	10,321,347	11,923,807	5,434,372	6,319,532	23,677,711		

1/ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

COMMERCIAL FERTILIZERS, NOVEMBER 1982

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,
YEARS ENDED JUNE 30, 1981 AND 1982 1/--CONTINUED

STATE	JULY 1, TO DECEMBER 31, 1981									
	MIXTURES					MIXTURES AND DIRECT APPLICATION MATERIALS				
	AVAILABLE		K	O	TOTAL	AVAILABLE		K	O	TOTAL
	N	P O				N	P O			
		2 5		2			2 5		2	
NUTRIENT TONS										
ALA	11,895	24,891	26,301	63,087	36,536	27,129	29,870	93,535		
ALAS	0	0	0	0	0	0	0	0		
ARIZ	4,332	9,773	183	14,288	44,072	14,925	262	59,259		
ARK	6,912	19,296	23,312	49,520	64,083	20,425	25,902	110,410		
CALIF	39,237	49,220	16,347	104,804	237,964	82,928	26,582	347,474		
COLO	5,346	13,078	561	18,985	77,275	18,355	3,017	98,647		
CONN	738	479	493	1,710	1,234	569	917	2,720		
DEL	1,075	2,036	2,357	5,468	3,248	2,377	5,146	10,771		
D C	493	164	194	851	533	171	209	913		
FLA	66,202	37,678	88,276	192,156	90,695	40,137	97,400	228,232		
GA	16,775	28,217	41,839	86,831	34,404	29,214	45,022	128,640		
HAW	8,831	6,104	12,009	26,944	13,688	7,353	14,980	36,021		
IDAHO	9,301	18,854	187	28,422	66,723	30,374	2,568	99,665		
ILL	91,550	236,922	65,167	393,639	289,312	287,255	430,147	1,006,714		
IND	28,231	83,842	85,217	197,290	107,823	96,489	179,386	383,698		
IOWA	70,229	164,904	36,063	291,196	344,503	207,518	335,132	887,153		
KANS	41,716	112,083	4,953	158,752	314,616	115,064	22,679	452,359		
KY	12,107	30,326	13,188	55,621	38,121	40,364	53,996	132,481		
LA	9,141	12,806	14,715	36,662	38,560	13,580	17,249	69,389		
MAINE	2,180	2,586	2,454	7,220	2,555	2,611	2,675	7,841		
MD	3,534	5,637	5,771	14,942	10,601	8,297	13,201	32,099		
MASS	1,463	1,005	1,084	3,552	1,799	1,116	1,672	4,587		
MICH	14,274	32,482	24,468	71,224	60,021	35,977	81,456	177,454		
MINN	47,032	120,552	15,297	182,881	257,154	135,068	196,162	589,384		
MISS	9,333	20,622	21,700	51,655	53,944	21,609	24,645	100,198		
MO	55,971	72,199	105,882	234,052	87,067	72,804	116,895	276,766		
MONT	8,975	29,334	279	38,588	47,227	33,127	4,540	84,894		
NEBR	15,509	40,735	1,969	58,213	160,206	44,871	11,538	216,615		
NEV	204	253	70	527	776	479	84	1,339		
N H	1,001	777	810	2,588	1,135	831	1,142	3,108		
N J	4,330	3,638	4,223	12,391	6,325	4,062	4,711	15,098		
N MEX	1,130	3,063	211	4,404	9,510	3,543	553	13,606		
N Y	11,345	16,216	16,392	43,953	23,794	18,660	23,392	65,846		
N C	15,220	23,973	32,066	71,259	35,216	24,876	35,043	95,135		
N DAK	11,274	30,105	2,260	43,639	109,265	33,024	4,666	147,155		
OHIO	24,053	63,602	41,515	129,170	89,696	79,692	176,752	346,340		
OKLA	27,177	64,068	5,669	96,914	178,378	66,818	13,383	260,579		
OREG	8,032	10,943	3,471	22,446	42,847	20,806	9,269	72,922		
PA	9,519	16,291	12,968	38,778	17,425	17,744	27,526	62,695		
R I	268	210	206	684	362	261	293	916		
S C	5,209	9,403	17,300	31,912	16,006	10,065	18,835	44,906		
S DAK	8,849	19,844	1,046	29,739	64,591	22,562	5,604	92,757		
TENN	6,484	19,616	6,496	34,596	30,883	24,971	41,700	97,554		
TEX	72,096	86,364	25,770	184,230	240,990	92,176	29,201	362,367		
UTAH	516	1,337	36	1,889	10,395	3,336	77	13,808		
VT	970	1,140	1,552	3,662	1,650	1,255	2,002	4,907		
VA	9,099	16,336	20,727	46,162	22,697	16,946	22,600	62,243		
WASH	6,801	11,420	2,871	21,092	90,338	19,962	8,110	118,410		
W VA	985	1,958	934	3,877	3,601	2,646	2,751	8,998		
WISC	19,700	46,914	13,937	80,551	74,374	64,129	165,712	304,215		
WYO	2,709	6,824	46	9,579	15,508	8,523	393	24,424		
P R	4,662	1,904	2,920	9,486	4,846	1,956	3,075	9,877		
TOTAL	836,095	1,652,224	823,762	3,312,081	3,594,772	1,929,030	2,342,322	7,866,124		

1/ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,
YEARS ENDED JUNE 30, 1981 AND 1982 1/--CONTINUED

STATE	JANUARY 1, TO JUNE 30, 1982									
	MIXTURES					MIXTURES AND DIRECT APPLICATION MATERIALS				
	AVAILABLE					AVAILABLE				
	P O					P O				
	N	2 S	1	2	TOTAL	N	2 S	1	2	TOTAL
NUTRIENT TONS										
ALA	32,420	56,620	64,859		153,899	112,237	60,695	74,269		247,201
ALAS	734	798	584		2,116	4,897	851	615		6,363
ARIZ	6,008	14,596	133		20,737	61,851	18,863	234		80,948
ARK	20,266	32,579	39,629		92,474	154,100	35,075	49,098		238,273
CALIF	47,609	60,452	28,031		136,292	329,553	81,957	35,287		446,797
COLO	9,978	20,903	1,810		32,691	94,828	26,501	7,984		129,313
CONN	3,649	2,364	2,436		8,449	5,183	3,113	3,681		11,897
DEL	4,278	6,633	9,031		19,942	14,490	7,149	14,549		36,188
D C	761	254	300		1,315	820	264	321		1,405
FLA	102,019	53,519	140,004		295,542	144,481	58,639	156,972		360,092
GA	48,600	76,960	121,387		246,947	195,110	79,878	135,762		410,750
HAW	5,873	2,721	7,599		16,193	8,398	3,657	9,154		21,209
IDAHO	8,576	19,185	262		28,023	114,388	32,079	4,959		151,426
ILL	88,146	207,691	70,050		365,887	749,376	245,461	345,636		1,340,473
IND	70,450	180,634	134,259		385,343	423,635	194,161	272,323		890,119
IOWA	68,478	161,685	60,101		290,264	704,343	174,934	249,835		1,129,112
KANS	19,850	52,027	3,853		75,730	273,784	55,418	21,263		350,465
KY	41,742	84,994	50,131		176,867	163,920	98,101	117,124		379,145
LA	27,557	38,425	44,146		110,128	96,202	40,232	50,057		186,491
MAINE	8,140	9,649	9,161		26,950	9,650	9,750	10,038		29,438
MD	16,673	26,519	26,649		69,841	46,319	28,166	34,540		109,025
MASS	4,581	2,933	2,881		10,395	5,902	3,205	4,150		13,257
MICH	57,415	132,834	74,164		264,413	198,220	142,064	162,481		502,765
MINN	55,962	138,777	32,056		226,795	319,266	149,892	176,978		646,136
MISS	18,993	41,543	51,293		111,829	122,970	46,449	61,977		231,396
MO	72,840	74,385	102,451		249,676	237,624	75,542	120,259		433,425
MONT	13,378	39,671	655		53,704	67,819	44,493	7,827		120,139
NEBR	42,608	110,154	10,862		163,624	519,373	117,825	43,024		680,222
NEV	649	756	257		1,662	3,309	1,438	311		5,058
N H	2,036	1,584	1,652		5,272	2,293	1,688	2,287		6,268
N J	14,915	13,554	14,247		42,716	20,449	13,988	17,044		51,481
N MEX	3,024	7,089	621		10,734	20,000	8,659	2,105		30,764
N Y	35,765	51,537	46,671		133,973	66,857	57,216	64,275		188,348
N C	69,936	100,410	158,428		328,774	200,242	103,188	177,583		481,013
N DAK	29,564	75,598	7,212		112,374	190,751	80,986	17,016		288,753
OHIO	66,459	155,797	89,195		311,451	360,985	172,193	212,516		745,694
OKLA	12,294	24,969	6,414		43,677	94,388	28,327	13,545		136,260
OREG	11,532	12,341	3,541		27,414	103,911	27,232	13,810		144,953
PA	36,938	59,930	39,058		135,926	77,841	61,996	39,264		179,101
R I	892	701	686		2,279	1,103	816	880		2,799
S C	22,214	35,154	65,223		122,591	74,095	36,201	75,044		185,340
S DAK	10,441	32,544	2,335		51,320	87,264	35,738	10,126		133,128
TENN	26,499	56,005	27,760		110,344	96,941	66,970	72,230		236,141
TEX	147,531	134,075	64,080		345,686	445,531	141,683	71,868		659,082
UTAH	2,340	5,504	160		8,004	27,563	11,506	272		39,341
VT	4,171	4,878	6,657		15,706	6,267	5,248	8,109		19,624
VA	38,757	51,623	66,888		157,268	77,666	52,406	73,009		203,081
WASH	16,256	26,216	10,448		52,920	146,104	38,449	29,351		213,904
W VA	3,551	5,687	3,869		13,327	9,315	7,101	7,038		23,454
WISC	34,174	80,226	44,289		158,689	176,811	93,473	109,807		480,091
WYO	1,159	2,769	23		3,951	9,736	5,834	79		15,649
P R	5,710	2,340	3,575		11,625	5,963	2,420	3,020		12,203
TOTAL	1,501,091	2,591,272	1,752,086		5,844,449	7,484,124	2,889,176	3,271,726		13,645,020

1/ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 9 -- PRIMARY PLANT NUTRIENT CONSUMPTION BY KIND OF FERTILIZER,
YEARS ENDED JUNE 30, 1981 AND 1982 1/--CONTINUED

STATE	JULY 1, 1981 TO JUNE 30, 1982											
	MIXTURES						MIXTURES AND DIRECT APPLICATION MATERIALS					
	AVAILABLE			TOTAL			AVAILABLE			TOTAL		
	P O		K O	P O		K O	P O		K O	P O		K O
	N	2 5	2	N	2 5	2	N	2 5	2	N	2 5	2
NUTRIENT TONS												
ALA	44,315	81,511	91,160	216,986	148,773	87,824	104,139	340,736				
ALAB	734	798	584	2,116	4,897	851	615	6,363				
ARIZ	10,340	24,369	316	35,025	105,923	33,788	496	140,207				
ARK	27,178	51,875	62,941	141,994	218,183	55,500	75,000	348,683				
CALIF	87,046	109,672	44,378	241,096	567,517	164,885	61,869	794,271				
COLO	15,324	33,981	2,371	51,676	172,103	44,856	11,801	227,960				
CONN	4,387	2,843	2,929	10,159	6,417	3,682	4,518	14,617				
DEL	5,353	8,669	11,388	25,410	17,738	9,526	19,695	46,959				
D C	1,254	418	494	2,166	1,353	435	530	2,318				
FLA	168,221	91,197	228,240	487,698	235,176	98,776	254,372	588,324				
GA	65,375	105,177	163,226	333,778	249,514	109,092	180,784	539,390				
HAW	14,704	8,825	19,608	43,137	22,086	11,010	24,134	57,230				
IDAH	17,957	38,039	449	56,445	181,111	62,453	7,527	251,091				
ILL	179,696	444,613	135,217	759,526	1,038,688	532,716	775,783	2,347,187				
IND	99,181	264,476	219,476	583,133	531,458	290,650	451,709	1,273,817				
IOWA	138,767	346,789	96,164	581,660	1,048,846	382,452	584,967	2,016,265				
KANS	61,566	164,110	8,806	234,482	588,400	170,482	43,962	802,844				
KY	53,849	115,320	63,319	232,488	202,041	138,465	171,120	511,826				
LA	36,698	51,231	58,861	146,790	134,762	55,812	67,386	255,880				
MAINE	10,320	12,235	11,615	34,170	12,205	12,361	12,713	37,279				
MD	20,207	32,156	32,420	84,783	56,920	36,463	47,741	141,124				
MASS	6,044	3,938	3,965	13,947	7,761	4,321	5,822	17,844				
MICH	17,689	165,316	46,632	335,637	250,241	176,041	243,937	680,219				
MINN	102,994	259,329	47,353	409,676	576,420	284,960	373,140	1,234,520				
MISS	28,326	62,165	72,993	163,484	176,914	68,058	86,622	331,594				
MO	128,811	146,584	208,333	483,728	324,691	148,346	237,154	710,191				
MONT	22,353	69,005	934	92,292	115,046	77,620	12,367	205,033				
NEBR	58,117	150,889	12,031	221,037	679,579	162,696	54,562	896,837				
NEV	853	1,009	327	2,189	4,085	1,917	395	6,397				
N H	3,037	2,361	2,462	7,860	3,428	2,519	3,429	9,376				
N J	19,245	17,392	18,470	55,107	26,774	18,050	21,755	66,579				
N MEX	4,154	10,152	832	15,138	29,510	12,202	2,658	44,370				
N Y	47,110	67,753	63,063	177,926	90,651	75,876	87,667	254,194				
N C	85,156	124,383	190,494	400,033	235,458	128,064	212,626	576,148				
N DAK	40,838	105,703	9,472	156,013	300,016	114,010	21,882	435,908				
OHIO	90,512	219,399	130,710	440,621	450,881	251,885	389,268	1,092,034				
OKLA	39,471	89,037	12,083	140,591	272,766	95,145	28,928	396,839				
OREG	19,564	23,284	7,012	49,860	146,758	48,038	23,079	217,875				
PA	46,457	76,221	52,026	174,704	95,266	79,740	66,790	241,796				
R I	1,160	911	892	2,963	1,465	1,077	1,173	3,715				
S C	27,423	44,557	82,523	154,503	90,101	46,266	93,879	230,246				
S DAK	25,290	52,388	3,381	81,059	151,855	58,300	15,730	225,885				
TENN	34,983	75,701	34,256	144,940	127,824	91,941	113,930	333,695				
TEX	219,627	220,439	89,850	529,916	686,521	233,859	101,069	1,021,449				
UTAH	2,856	6,841	196	9,893	37,958	14,842	349	53,149				
VT	5,141	6,018	8,209	19,368	7,917	6,503	10,111	24,531				
VA	47,856	67,959	87,615	203,430	100,363	69,352	95,609	265,324				
WASH	23,057	37,636	13,319	74,012	236,442	58,411	37,461	332,314				
W VA	4,536	7,845	4,823	17,204	12,916	9,749	9,789	32,452				
WISC	53,874	127,140	56,226	239,240	251,185	157,602	355,519	764,306				
WYO	3,868	9,593	69	13,530	25,244	14,357	472	40,073				
P R	10,372	4,244	6,495	21,111	10,809	4,376	6,895	22,080				
TOTAL	2,337,186	4,243,496	2,575,848	9,156,530	11,078,896	4,818,208	5,614,048	21,511,144				

1/ THE SUMS OF INDIVIDUAL ITEMS MAY NOT EQUAL TOTALS DUE TO ROUNDING.

TABLE 10 -- NITROGEN CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,
YEAR ENDED JUNE 30, 1982

STATE	AMMONIA ANHYDROUS	AMMONIA AQUA	AMMONIUM NITRATE	SULFATE	NITROGEN SOLUTIONS	SODIUM NITRATE	UREA	AMMONIUM NITRATE LIMESTONE	PHOSPHATE MATERIALS	NATURAL ORGANICS	OTHER NITROGEN MATERIALS
NUTRIENT TONS											
ALA	11,427	696	56,935	18	32,033	248	2,038	0	4	41	1,018
ALAB	0	0	129	15	0	0	4,009	0	10	0	0
ARIZ	40,049	4,108	1,364	1,375	31,769	0	13,350	0	3,243	0	325
ARK	5,279	204	27,458	884	25,699	483	130,036	0	791	16	155
CALIF	148,865	72,739	28,329	32,864	128,827	1,370	34,159	41	15,673	1,081	16,523
COLO	72,979	4	19,729	3,472	38,753	0	6,089	1	1,608	164	13,980
CONN	0	0	50	2	44	21	1,577	1	174	113	48
DEL	575	0	1,071	743	9,673	0	211	0	33	16	63
D C	10	0	26	0	23	4	26	0	0	7	1
FLA	5,756	0	23,975	1,786	22,633	441	1,947	11	1,352	1,081	7,973
GA	26,254	15	41,205	1,612	107,763	383	2,066	17	194	274	4,356
HAW	0	80	0	165	4,425	0	1,856	0	240	0	616
IDAH0	45,312	2,395	23,438	26,030	26,303	0	25,946	0	5,308	0	8,372
ILL	562,054	0	19,565	858	222,110	0	50,650	0	519	135	3,101
IND	227,589	3,603	4,878	2,556	146,282	30	32,477	0	0	99	14,763
IOWA	641,360	640	17,765	2,275	179,581	0	67,479	0	543	8	488
KANS	359,358	292	50,672	735	82,321	0	32,750	0	702	4	0
KY	42,949	0	58,203	370	19,009	244	27,100	10	1	139	167
LA	20,684	0	33,936	4,133	17,470	142	21,391	0	16	12	280
MAINE	0	0	570	248	13	0	1,006	0	0	47	1
MD	8,981	0	1,682	505	22,463	171	2,219	0	0	16	676
MASS	0	0	99	4	165	3	1,171	0	3	179	73
MICH	98,399	101	5,563	1,686	41,762	1	36,338	0	841	1,139	702
MINN	332,633	183	11,858	1,398	46,670	0	79,966	1	558	9	150
MISS	36,587	0	58,156	0	20,170	453	33,219	0	0	3	0
MO	84,850	132	37,035	9	45,471	50	28,064	33	4	113	119
MONT	39,565	11	25,136	1,872	6,218	0	15,490	0	4,093	7	301
NEBR	443,312	811	27,429	2,877	123,107	0	22,810	0	774	4	338
NEV	304	0	78	766	1,342	0	187	0	423	35	157
N H	0	0	83	19	0	0	228	0	1	38	22
N J	353	2	1,081	72	2,784	62	2,196	1	64	187	727
N MEX	12,881	0	1,366	867	6,083	0	3,401	0	385	41	412
N Y	11,047	0	3,513	344	16,136	99	9,060	0	2,174	421	747
N C	9,152	46	17,487	357	114,235	3,896	2,315	7	25	161	2,621
N DAK	213,650	0	9,339	272	15,536	0	19,853	0	440	9	79
OHIO	169,104	280	4,881	3,308	132,494	0	48,834	0	7	234	1,227
OKLA	139,061	0	32,324	1,123	29,050	0	31,132	0	231	355	19
OREG	17,658	5,921	7,600	16,812	24,096	0	30,540	0	9,408	14	15,145
PA	5,226	0	1,268	1,082	25,473	2	15,314	2	0	1	441
R I	0	0	9	0	0	1	223	0	50	21	1
S C	2,067	0	9,275	481	48,387	868	422	0	0	91	1,087
S DAK	66,685	72	19,194	258	12,643	0	23,885	0	27	4	3,797
TENN	8,485	0	30,085	10	11,222	957	41,730	0	261	4	87
TEX	221,336	1,683	79,712	22,425	102,529	0	28,169	0	7,506	48	3,486
UTAH	14,432	0	11,725	5,633	1,228	0	1,229	0	228	13	514
VT	101	0	125	12	645	0	1,138	0	0	15	740
VA	452	0	5,566	435	42,012	628	2,157	7	1	139	1,112
WASH	63,493	38,868	17,118	7,430	41,517	0	22,926	0	9,378	414	12,241
W VA	2,446	0	823	123	1,396	40	3,265	0	0	13	74
WISC	83,896	1,928	11,650	1,572	51,722	0	39,695	7	121	4	6,716
WYO	6,230	30	11,278	120	2,300	0	913	13	216	1	275
P R	0	4	3	239	5	0	159	0	21	6	0
TOTAL	4,302,806	134,848	851,799	152,190	2,083,812	10,599	1,004,461	152	67,651	6,976	128,416

TABLE 11 -- AVAILABLE P₂O₅ CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,
2 5
YEAR ENDED JUNE 30, 1982

STATE	AMMONIUM PHOSPHATES 1/	PHOSPHORIC SOLUTIONS 1	PHOSPHATE ROCK 2/	SUPERPHOSPHATES		NATURAL ORGANICS	OTHER PHOSPHATE MATERIALS
				22% & UNDER	OVER 22%		
NUTRIENT TONS							
ALA	5	0	0	1,097	3,985	63	1,163
ALAB	0	0	0	0	5	0	48
ARIZ	5,570	2,362	0	0	1,487	0	0
ARK	990	0	1	71	2,513	11	39
CALIF	34,632	4,076	16	2,524	13,041	894	30
COLO	6,338	0	0	0	3,098	36	1,403
CONN	514	0	1	19	192	80	33
DEL	83	0	0	0	763	11	0
D C	0	0	0	2	5	10	0
FLA	1,855	0	2	1,847	0	872	3,003
GA	829	94	0	990	1,138	166	698
HAW	17	0	6	0	282	0	1,880
IDAHO	10,840	6,946	0	1	6,481	0	146
ILL	38	3,517	0	274	81,979	120	2,175
IND	0	408	0	19	20,986	69	4,692
IOWA	1,372	2,963	25	120	31,176	7	0
KANS	1,202	0	19	167	4,982	2	0
KY	3	0	1	7	23,102	32	0
LA	19	550	0	2	1,972	5	33
MAINE	0	0	2	0	85	33	6
MD	0	0	0	53	4,219	8	27
MASS	0	0	0	23	139	175	46
MICH	2,112	69	22	36	9,485	955	46
MINN	1,105	1,371	17	4	23,131	0	0
MISS	0	0	0	23	4,825	3	1,042
MO	5	0	2	6	1,661	86	2
MONT	4,516	480	0	0	2,746	7	866
NEBR	967	0	0	556	9,838	2	444
NEV	529	0	0	1	341	37	0
N H	0	0	0	7	112	27	12
N J	149	0	0	10	311	135	53
N MEX	521	0	0	0	1,490	29	10
N Y	1,028	35	3	66	2,659	313	3,219
N C	0	76	7	566	2,699	109	224
N DAK	540	205	0	0	7,556	6	0
OHIO	20	534	0	131	31,630	135	36
OKLA	315	123	0	97	5,448	110	7
OREG	11,606	605	1	203	4,090	10	8,239
PA	0	5	13	7	3,447	1	46
R I	123	0	0	1	5	22	15
S C	0	0	0	273	1,307	65	64
S DAK	14	343	1	0	5,550	4	0
TENN	1,141	0	0	9	13,086	4	0
TEX	9,383	607	0	0	3,157	34	239
UTAH	799	171	0	126	6,885	20	0
VT	0	0	0	7	475	3	0
VA	0	0	9	74	1,165	97	48
NASH	10,504	296	0	0	2,610	284	7,081
W VA	0	51	0	3	1,835	13	0
WISC	21	2,089	44	4,613	23,025	1	669
WYO	66	2,513	0	136	1,235	1	813
P R	53	0	0	0	74	5	0
TOTAL	110,627	30,489	192	14,171	375,508	5,120	38,597

1/ TOTAL OF 11-48-0, 13-39-0, 16-20-0, 21-53-0 AND 27-14-0.

2/ INCLUDES COLLOIDAL PHOSPHATE.

TABLE 12 -- K O CONTENT OF DIRECT APPLICATION MATERIALS CONSUMED,
2
YEAR ENDED JUNE 30, 1982

STATE	POTASSIUM CHLORIDE	POTASSIUM MAGNESIUM SULFATE	POTASSIUM NITRATE	POTASSIUM- SODIUM NITRATE	POTASSIUM SULFATE	NATURAL ORGANICS	OTHER POTASSIUM MATERIALS
NUTRIENT TONS							
ALA	11,519	435	0	591	0	41	393
ALAB	31	0	0	0	0	0	0
ARIZ	180	0	0	0	0	0	0
ARK	11,702	0	0	95	7	21	234
CALIF	13,056	326	0	0	2,323	1,190	596
COLO	4,494	706	0	0	2,809	48	573
CONN	1,423	2	15	2	5	127	15
DEL	8,226	0	0	59	0	22	0
D C	29	0	0	0	0	7	0
FLA	11,795	1,198	2,498	5,817	595	644	3,545
GA	11,495	2,573	75	774	72	215	2,354
HAW	1,759	19	41	0	475	0	2,232
IDAH	6,188	890	0	0	0	0	0
ILL	638,841	542	0	1	0	10	1,172
IND	211,685	1,212	0	0	468	134	18,734
IOWA	487,930	94	0	3	0	2	774
KANS	35,148	6	0	0	0	2	0
KY	93,537	1,026	0	84	13,069	62	23
LA	8,419	7	0	0	0	4	2,015
MAINE	991	44	0	0	0	63	0
MD	14,525	452	128	35	0	17	164
MASS	1,589	34	25	0	9	99	101
MICH	143,331	1,541	0	3	0	430	0
MINN	323,928	1,352	0	0	0	0	507
MISS	13,627	0	0	0	0	2	0
MO	27,864	407	0	0	127	96	327
MONT	11,409	0	0	0	20	4	0
NEBR	30,968	6,318	0	0	4	2	4,439
NEV	0	0	0	0	0	23	45
N H	921	0	0	0	0	44	2
N J	2,975	20	4	9	12	200	65
N MEX	650	594	0	0	576	56	0
N Y	22,790	384	36	90	218	381	785
N C	17,894	636	323	1,392	726	203	958
N DAK	12,398	0	0	0	0	12	0
OHIO	257,321	255	46	20	212	171	533
OKLA	16,377	409	0	0	0	59	0
OREG	14,486	722	26	0	789	17	27
PA	14,552	128	76	6	0	2	0
R I	266	0	0	0	0	15	0
S C	8,503	310	0	393	139	122	1,889
S DAK	12,341	0	0	0	0	4	4
TENN	76,810	0	0	0	2,862	2	0
TEX	8,592	1,116	0	60	0	65	1,386
UTAH	140	0	0	0	0	13	0
VT	1,743	154	0	0	0	5	0
VA	7,096	101	76	347	48	177	149
WASH	20,429	279	216	0	1,665	528	1,025
W VA	4,929	17	3	0	0	14	3
WISC	292,679	2,676	0	2	999	2	935
WYO	275	32	0	0	95	1	0
P R	126	4	0	0	270	0	0
TOTAL	2,917,982	27,021	3,588	9,783	28,544	5,358	45,924

TABLE 15 -- CONSUMPTION OF 15 PRINCIPAL GRADES IN EACH STATE,
YEAR ENDED JUNE 30, 1961 1/

STATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALA	13-13-15	6-24-24	5-10-15	8-6-8	0-20-20	3-9-18	4-12-12	0-24-24	3-10-20	0-12-24	0-12-24	0-12-24	15-6-4	17-17-17	2-6-12
TONS	153,510	51,989	39,147	36,624	35,753	32,631	17,680	12,666	12,626	11,351	0,052	0,052	7,664	6,664	6,664
ARIZ	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	15,765	15,765	10,341	5,285	875	875	814	443	240	165	165	165	165	165	5,546
ARK	13-13-13	0-24-24	0-17-34	5-13-30	10-20-10	0-26-26	0-13-30	10-20-20	4-12-24	0-13-30	18-48-0	12-24-12	18-48-0	12-24-12	18-48-0
TONS	85,440	23,492	20,690	19,651	17,075	11,452	10,517	9,404	9,404	9,404	9,404	9,404	9,404	9,404	14,411
CALIF	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	54,068	37,908	31,176	25,361	21,531	20,909	20,909	20,909	20,909	20,909	20,909	20,909	20,909	20,909	15,011
COLO	18-48-0	10-34-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	92,785	19,620	3,371	2,745	1,914	1,395	1,020	714	966	520	889	433	433	433	6,664
CONN	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	4,718	3,463	2,401	1,622	1,020	714	966	520	889	433	433	433	433	433	6,664
DEL	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	6,719	6,413	6,157	7,663	4,985	3,383	2,710	2,355	2,355	2,355	2,355	2,355	2,355	2,355	15,011
FLA	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	78,418	51,351	45,112	44,623	44,564	42,080	35,517	33,680	29,452	23,715	22,362	22,362	22,362	22,362	19,280
GA	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	332,974	153,325	63,901	48,862	41,114	34,668	19,694	19,265	16,452	16,452	16,452	16,452	16,452	16,452	12,347
IND	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	62,076	7,662	3,774	3,731	1,392	848	189	189	189	189	189	189	189	189	1,432
IOA	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	687,374	65,739	48,785	34,566	27,374	25,966	19,109	18,663	17,959	16,659	15,440	15,440	15,440	15,440	13,391
KANS	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	285,440	53,461	18,919	16,342	15,260	14,463	11,452	7,149	5,752	5,412	4,932	4,719	4,719	4,719	3,675
LA	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	51,250	29,695	26,624	26,721	16,864	16,864	16,864	16,864	16,864	16,864	16,864	16,864	16,864	16,864	7,262
MAINE	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	15,506	3,351	2,585	2,048	1,840	1,601	1,001	589	474	432	288	288	288	288	4,656
MD	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	10,110	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250
MASS	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	5,611	3,464	2,149	1,795	1,395	1,020	714	966	520	889	433	433	433	433	1,432
MICH	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	153,304	36,077	31,431	30,001	18,501	17,909	16,617	16,450	13,997	12,272	11,317	11,317	11,317	11,317	9,624
MINN	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	405,962	45,937	26,363	19,943	15,946	13,331	11,219	8,601	6,934	6,934	6,934	6,934	6,934	6,934	5,664
MISS	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	139,572	44,643	42,390	36,688	22,440	19,345	16,537	12,684	10,659	8,649	6,649	6,649	6,649	6,649	1,911
MO	10-34-0	18-18-0	11-32-0	26-18-3	11-44-0	11-52-0	16-8-4	21-7-14	12-40-0	10-10-10	15-6-4	17-17-17	15-6-4	17-17-17	2-6-12
TONS	48,309	45,688	30,710	26,542	24,367	23,652	23,652	23,652	23,652	23,652	23,652	23,652	23,652	23,652	10,156

	10-40-0	11-55-0	10-34-0	10-33-0	20-20-0	18-9-5	30-10-0	23-23-0	18-16-10	15-10-7	9-18-9	20-10-10	18-15-10	24-17-0	22-3-3
ALAB	52,122	51,695	7,162	1,944	1,350	1,358	1,235	1,104	1,096	880	540	414	480	375	389
ALAK	16,460	16,340	7-21-0	8-32-0	11-52-0	11-52-0	11-52-0	11-52-0	16-30-0	11-52-0	6-20-0	16-20-0	9-10-9	6-20-0	4-10-10
ALAZ	169,469	91,375	30,201	20,222	11,035	9,305	8,997	7,116	6,703	5,622	5,454	5,434	5,219	4,714	3,680
ALCA	19-9-0	18-34-0	11-52-0	1-2-0	6-20-20	28-3-3	22-4-4	16-8-0	18-40-0	12-12-12	23-3-7	10-6-4	18-6-4	18-6-4	
ALCH	912	440	6-1	489	260	275	269	225	208	171	135	132	106		
ALCO	15-8-12	10-10-10	5-10-10	10-2-10	15-15-15	10-20-20	27-3-3	10-3-6	15-10-10	5-10-5	16-4-0	5-20-20	10-6-4	20-10-15	24-12-18
ALDA	3,041	2,240	1,237	1,173	780	761	611	583	561	553	466	459	414	328	320
ALDE	10-10-10	5-10-10	10-6-4	10-20-20	16-6-0	15-15-15	27-3-3	26-3-3	5-10-5	18-7-7	16-4-0	14-1-14	3-9-12	9-9-9	15-8-8
ALDI	36,940	18,951	10,095	6,777	6,538	5,369	5,304	4,016	3,435	3,406	3,029	2,640	2,463	1,695	1,346
ALDO	18-40-0	10-10-10	11-52-0	10-20-20	1-2-1	11-52-0	18-10-3	1-2-2	6-10-10	11-22-11	11-52-0	4-10-10	27-3-3	13-13-13	10-20-20
ALDU	6,895	4,973	3,912	3,593	1,617	1,617	991	864	633	739	713	616	487	470	400
ALDV	15-15-15	10-20-20	6-24-24	10-20-10	8-10-0	10-10-10	0-20-20	0-1-1	10-6-4	10-14-14	0-10-40	5-10-5	0-24-24	7-21-7	6-12-6
ALDW	63,927	50,740	21,536	19,684	16,078	15,808	15,743	15,193	13,279	11,156	9,500	8,646	5,511	4,535	4,753
ALDX	10-10-10	5-10-5	3-9-9	5-10-10	10-20-20	6-4-8	6-12-10	2-8-12	4-8-12	3-9-18	6-8-16	10-10-10	0-24-24	17-17-17	18-40-0
ALDY	10-10-10	10-10-10	5-10-5	10-20-20	55-179	47,763	45,170	45,050	42,258	41,676	35,262	23,240	21,594	21,000	16,766
ALDZ	18-40-0	10-34-0	11-52-0	11-52-0	15-30-10	8-32-16	11-51-0	9-18-9	4-10-10	12-16-12	23-23-0	11-53-0	24-16-8	0-33-17	20-20-10
ALDA	141,350	35,065	15,342	6,766	6,602	5,273	4,636	3,347	2,669	2,461	2,268	1,612	1,263	1,061	1,244
ALDE	18-40-0	6-24-24	15-15-15	10-34-0	8-32-16	12-12-12	6-26-26	8-28-3	3-10-30	9-23-30	19-19-19	0-10-42	4-10-10	6-18-6	7-28-5
ALDI	261,791	153,499	36,904	35,125	29,476	26,755	21,342	21,168	21,146	20,153	17,751	17,288	15,451	14,638	14,269
ALDO	18-40-0	10-20-10	13-13-13	6-24-24	18-16-16	10-30-0	10-20-0	12-12-12	20-10-10	5-10-10	15-10-5	12-50-0	18-6-12	15-40-5	11-40-8
ALDU	140,168	66,661	15,095	9,754	8,166	7,687	7,530	6,539	6,241	6,490	4,222	3,966	3,597	3,393	2,960
ALDV	16-16-16	18-40-0	10-34-0	11-52-0	11-52-0	27-12-0	11-51-0	27-8-4	11-53-0	12-12-12	10-14-14	12-15-15	10-20-20	26-10-6	7-28-5
ALDW	15,527	15,104	9,731	8,069	7,638	5,794	5,369	4,600	3,555	2,840	2,216	1,829	1,728	1,563	1,281
ALDX	18-40-0	10-20-10	13-13-13	6-24-24	18-16-16	10-30-0	10-20-0	12-12-12	20-10-10	5-10-10	15-10-5	12-50-0	18-6-12	15-40-5	11-40-8
ALDY	66,310	35,293	26,055	20,062	16,653	15,057	12,965	9,449	8,240	6-8-8	4-32-16	7-27-11	6-24-24	7-21-6	10-6-4
ALDZ	10-10-10	9-10-10	10-6-4	5-10-5	18-15-15	18-6-12	12-2-8	10-20-20	11-53-0	5-10-1	6,716	6,440	5,757	5,107	4,960
ALDA	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0	1-40-0
ALDE	10-10-10	5-10-5	3-9-9	5-10-10	10-20-20	6-4-8	6-12-10	2-8-12	4-8-12	3-9-18	6-8-16	10-10-10	0-24-24	17-17-17	18-40-0
ALDI	74,403	54,355	35,329	32,689	28,604	26,865	24,684	21,356	21,146	20,153	17,751	17,288	15,451	14,638	14,269
ALDO	18-40-0	10-20-10	13-13-13	6-24-24	18-16-16	10-30-0	10-20-0	12-12-12	20-10-10	5-10-10	15-10-5	12-50-0	18-6-12	15-40-5	11-40-8
ALDU	61,093	6,713	3,221	3,119	2,905	2,782	1,686	1,610	1,472	1,350	1,245	1,166	1,078	976	956
ALDV	18-40-0	6-12-12	5-10-15	15-15-15	10-10-10	13-13-13	6-24-24	5-20-20	10-20-20	6-24-24	12-24-24	0-20-20	12-12-12	9-23-30	3-9-27
ALDW	122,351	51,491	26,493	24,359	20,068	20,826	21,667	14,539	10,414	6,794	6,746	6,559	5,461	4,697	3,583
ALDX	20-10-0	16-6-12	13-13-13	18-40-0	10-30-0	12-12-12	17-17-17	12-24-24	26-4-0	21-7-5	18-12-2	27-8-17	22-11-0	10-20-10	18-6-8
ALDY	84,119	79,155	69,053	69,320	68,105	51,365	36,329	36,779	29,708	26,559	25,040	25,655	26,685	19,536	16,914
ALDZ	10-34-0	18-40-0	22-3-3	11-52-0	11-51-0	30-10-0	11-53-0	16-10-9	25-3-5	29-14-0	235	5-10-5	4-12-28	6-12-10	6-12-10
ALDA	2,145	1,691	1,172	1,051	999	840	551	305	254	235	179	157	141	127	127
ALDE	10-20-10	10-10-10	10-20-20	8-12-12	5-20-20	5-10-10	8-10-16	6-24-24	11-53-0	13-13-13	10-6-8	5-10-5	4-12-28	6-12-10	6-12-10
ALDI	2,650	2,343	1,625	1,436	1,413	1,367	949	615	244	203	179	157	141	127	127
ALDO	10-10-10	5-10-5	3-9-9	5-10-10	10-20-20	3-9-9	8-6-8	4-12-16	18-14-19	5-10-15	5-10-10	12-24-24	18-40-0	6-18-16	5-10-5
ALDU	78,622	36,667	33,320	20,340	19,526	17,146	13,536	12,614	12,106	11,509	11,042	10,665	7,829	7,325	6,334
ALDV	16-40-0	10-34-0	16-10-16	11-52-0	27-12-0	10-20-20	10-30-0	22-3-3	11-52-0	9-10-10	9-3-0	4-30-0	6-10-10	21-7-16	12-6-8
ALDW	32,283	27,616	11,184	7,326	3,449	2,573	1,176	1,076	1,046	619	772	746	695	532	468
ALDX	5-10-10	10-20-20	10-6-0	10-10-10	12-12-12	5-10-15	6-24-24	10-20-20	15-15-15	18-14-16	5-10-10	14-8-6	5-10-5	10-34-0	16-6-8
ALDY	7,260	5,572	5,529	5,430	2,189	1,163	826	613	576	536	352	301	276	248	248
ALDZ	18-40-0	9-23-30	6-24-24	10-34-0	3-10-30	9-18-9	0-32-16	1-1-1	0-14-42	7-23-5	5-23-27	14-10-14	10-10-10	8-32-16	9-23-31
ALDA	163,240	56,497	36,961	25,040	9,945	9,551	6,674	6,452	9,245	6,976	5,065	4,926	4,590	4,534	3,573
ALDE	18-40-0	10-34-0	11-52-0	1-1-1	22-3-3	30-10-0	4-10-10	22-6-4							
ALDI	6,348	1,663	761	357	332	166	119	118							

1/ EXCLUDES ALASKA, DISTRICT OF COLUMBIA, HAWAII, PUERTO RICO AND CONFIDENTIAL ANALYSES.

TABLE 14 -- CONSUMPTION OF 15 PRINCIPAL GRADES IN EACH STATE,
YEAR ENDED JUNE 30, 1982 1/

STATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ALA	ANAL 151,257	13-13-13 8,248	5-15-30 35,125	6-8-6 29,344	5-15-15 28,514	20-20-20 25,988	3-9-18 19,521	0-24-24 15,034	4-12-12 12,564	4-12-24 11,207	3-10-20 9,193	10-10-10 8,735	11-53-0 5,711	10-10-20 5,657	
ARIZ	ANAL 10,340	10-34-0 11,408	10-18-0 8,400	11-53-0 3,359	16-8-6 2,347	15-15-15 1,488	0-24-24 859	20-14-0 803	20-26-0 483	21-7-14 447	15-8-4 289	20-10-0 235	6-15-30 6,317	19-10-19 4,349	
ARK	ANAL 13,131	13-13-13 15,298	5-15-30 15,339	6-24-24 17,943	10-20-10 14,806	11-53-0 11,331	0-24-24 11,331	10-20-20 11,044	4-12-24 9,629	0-14-36 8,858	7-12-5 7,229	6-24-24 7,125	6-15-30 6,317	19-10-19 4,349	
CALIF	ANAL 32,768	20-10-0 26,146	4-10-10 25,821	12-12-12 25,827	19-9-6 23,547	8-24-6 23,547	11-53-0 23,547	17-6-10 23,547	16-16-16 23,547	15-15-15 23,547	27-12-0 23,547	15-15-15 23,547	11-362 23,547	13-0-34 9,934	
CALIF	ANAL 10,340	10-34-0 11,408	10-18-0 8,400	11-53-0 3,359	16-8-6 2,347	15-15-15 1,488	0-24-24 859	20-14-0 803	20-26-0 483	21-7-14 447	15-8-4 289	20-10-0 235	6-15-30 6,317	19-10-19 4,349	
COLO	ANAL 60,789	10-34-0 20,202	12-12-12 5,729	11-52-0 4,774	20-20-10 2,323	4-10-10 2,323	22-3-3 1,941	6-4-4 1,661	11-37-0 1,661	20-10-5 1,661	16-20-6 985	10-20-6 836	18-20-6 735	6-20-6 618	
CONN	ANAL 6-6-4	10-10-10 5,922	5-10-5 2,012	5-10-10 1,388	5-10-5 1,388	27-3-3 1,218	15-15-15 809	10-20-10 809	15-15-15 809	20-5-10 404	10-20-20 404	15-15-15 1,155	5-10-30 1,111	3-9-18 1,109	
DEL	ANAL 10-10-10	10-20-20 6,450	10-46-0 3,746	3-15-30 3,675	2,718	13-10-22 2,718	12-8-20 1,682	10-24-0 1,562	0-13-40 1,286	10-10-30 1,286	3-10-30 1,191	15-15-15 1,155	5-10-30 1,111	3-9-18 1,109	
FLA	ANAL 72,334	6-6-6 46,660	12-0-12 43,771	16-4-4 41,991	10-10-10 41,991	10-10-10 41,991	10-10-10 41,991	10-10-10 41,991	10-10-10 41,991	10-10-10 41,991	10-10-10 41,991	10-10-10 41,991	10-10-10 41,991	10-10-10 41,991	
GA	ANAL 268,577	30-4-18 90,419	10-10-10 36,603	10-10-10 31,536	10-10-10 25,306	10-10-10 20,950	10-10-10 16,364	10-10-10 15,661	10-10-10 15,661	10-10-10 15,661	10-10-10 15,661	10-10-10 15,661	10-10-10 15,661	10-10-10 15,661	
IDAH	ANAL 50,520	10-34-0 6,745	27-13-0 7,970	16-10-10 1,424	11-55-0 1,359	10-10-10 1,359	10-10-10 1,359	10-10-10 1,359	10-10-10 1,359	10-10-10 1,359	10-10-10 1,359	10-10-10 1,359	10-10-10 1,359	10-10-10 1,359	
ILL	ANAL 657,994	3-10-30 63,464	3-9-12 32,707	5-20-35 31,215	5-17-21 31,215	4-13-26 30,366	6-24-24 26,351	10-34-0 26,351	6-18-6 16,466	0-23-30 16,180	4-16-21 16,180	9-12-24 16,037	10-30-0 13,405	4-10-10 10,532	
IND	ANAL 123,262	10-34-0 111,779	10-34-0 109,594	10-34-0 123,262	10-34-0 123,262	10-34-0 123,262	10-34-0 123,262	10-34-0 123,262	10-34-0 123,262	10-34-0 123,262	10-34-0 123,262	10-34-0 123,262	10-34-0 123,262	10-34-0 123,262	
IOWA	ANAL 501,760	10-34-0 78,668	10-34-0 64,378	10-34-0 52,151	10-34-0 41,991	10-34-0 31,215	10-34-0 21,151	10-34-0 11,370	10-34-0 6,719	10-34-0 4,376	10-34-0 3,111	10-34-0 3,111	10-34-0 3,111	10-34-0 3,111	
KANS	ANAL 227,894	10-34-0 46,161	10-34-0 32,442	10-34-0 21,151	10-34-0 11,370	10-34-0 6,719	10-34-0 4,376	10-34-0 3,111	10-34-0 3,111	10-34-0 3,111	10-34-0 3,111	10-34-0 3,111	10-34-0 3,111	10-34-0 3,111	
KY	ANAL 159,414	10-10-10 95,004	10-10-10 86,667	10-10-10 78,668	10-10-10 70,669	10-10-10 62,670	10-10-10 54,671	10-10-10 46,672	10-10-10 38,673	10-10-10 30,674	10-10-10 22,675	10-10-10 14,676	10-10-10 6,677	10-10-10 -6,678	
LA	ANAL 24,414	10-10-10 21,446	10-10-10 19,447	10-10-10 17,448	10-10-10 15,449	10-10-10 13,450	10-10-10 11,451	10-10-10 9,452	10-10-10 7,453	10-10-10 5,454	10-10-10 3,455	10-10-10 1,456	10-10-10 -1,457	10-10-10 -3,458	
MAINE	ANAL 23,639	10-10-10 19,324	10-10-10 17,325	10-10-10 15,326	10-10-10 13,327	10-10-10 11,328	10-10-10 9,329	10-10-10 7,330	10-10-10 5,331	10-10-10 3,332	10-10-10 1,333	10-10-10 -1,334	10-10-10 -3,335	10-10-10 -5,336	
MD	ANAL 17,324	10-10-10 15,086	10-10-10 13,087	10-10-10 11,088	10-10-10 9,089	10-10-10 7,090	10-10-10 5,091	10-10-10 3,092	10-10-10 1,093	10-10-10 -1,094	10-10-10 -3,095	10-10-10 -5,096	10-10-10 -7,097	10-10-10 -9,098	
MASS	ANAL 4,241	10-10-10 2,266	10-10-10 1,864	10-10-10 1,462	10-10-10 1,060	10-10-10 6,584	10-10-10 3,585	10-10-10 5,586	10-10-10 2,587	10-10-10 5,588	10-10-10 2,589	10-10-10 5,590	10-10-10 2,591	10-10-10 5,592	
MICH	ANAL 126,521	6-24-24 35,339	6-24-24 28,195	6-24-24 21,060	6-24-24 13,925	6-24-24 6,790	6-24-24 -1,345	6-24-24 -8,480	6-24-24 -15,615	6-24-24 -22,750	6-24-24 -29,885	6-24-24 -37,020	6-24-24 -44,155	6-24-24 -51,290	
MINN	ANAL 309,266	10-34-0 31,669	10-34-0 23,539	10-34-0 15,409	10-34-0 7,279	10-34-0 -1,101	10-34-0 -8,271	10-34-0 -15,441	10-34-0 -22,611	10-34-0 -29,781	10-34-0 -36,951	10-34-0 -44,121	10-34-0 -51,291	10-34-0 -58,461	
MISS	ANAL 120,600	5-15-30 35,132	5-15-30 31,133	5-15-30 27,134	5-15-30 23,135	5-15-30 19,136	5-15-30 15,137	5-15-30 11,138	5-15-30 7,139	5-15-30 3,140	5-15-30 -1,141	5-15-30 -7,142	5-15-30 -13,143	5-15-30 -19,144	
MO	ANAL 6-24-24	17-17-17 48,959	17-17-17 41,959	17-17-17 34,959	17-17-17 27,959	17-17-17 20,959	17-17-17 13,959	17-17-17 6,959	17-17-17 -1,041	17-17-17 -8,041	17-17-17 -15,041	17-17-17 -22,041	17-17-17 -29,041	17-17-17 -36,041	

TABLE 15 -- TONNAGES OF THE 150 MOST POPULAR MIXTURES CONSUMED,
YEARS ENDED JUNE 30, 1981 AND 1982 1/

GRADE	CONSUMPTION		PROPORTION OF TOTAL		GRADE	CONSUMPTION		PROPORTION OF TOTAL	
	1981	1982	1981	1982		1981	1982	1981	1982
	TONS		PERCENT			TONS		PERCENT	
0-7-28	9,692	22,644	.04	.11	8-32-8	20,349	15,931	.09	.08
0-9-27	69,124	46,396	.29	.22	8-32-14	18,671	21,470	.08	.10
0-10-20	85,290	55,856	.36	.27	8-32-16	162,508	137,186	.69	.66
0-10-30	71,828	47,150	.31	.23	9-16-9	81,276	84,404	.35	.41
0-10-40	34,324	32,914	.15	.16	9-23-30	193,064	204,413	.82	.90
0-14-14	24,041	14,958	.10	.07	10-0-10	24,305	27,493	.10	.13
0-14-42	54,519	38,808	.23	.19	10-5-10	20,493	23,626	.09	.11
0-15-30	64,192	52,799	.27	.25	10-6-4	64,287	57,784	.27	.28
0-15-40	67,397	47,144	.29	.23	10-10-10	759,751	627,029	3.23	3.01
0-17-34	107,263	82,576	.46	.40	10-10-20	55,020	40,264	.23	.19
0-18-36	73,148	47,589	.31	.23	10-20-10	169,497	146,472	.72	.70
0-20-20	109,485	77,274	.47	.37	10-20-20	353,227	296,855	1.50	1.43
0-23-30	51,533	32,644	.22	.16	10-20-30	34,877	30,145	.15	.14
0-24-24	107,031	77,482	.45	.37	10-26-26	47,440	44,336	.20	.21
0-25-25	30,888	24,374	.13	.12	10-30-0	56,532	52,905	.24	.25
0-26-26	68,816	49,277	.29	.24	10-34-0	775,175	718,933	3.30	3.45
1-1-1	31,958	31,324	.14	.15	11-37-0	32,618	24,017	.14	.12
2-6-12	139,542	119,441	.59	.57	11-51-0	17,780	15,687	.08	.08
3-9-9	157,983	139,456	.67	.67	11-52-0	65,693	95,272	.28	.46
3-9-12	63,943	49,180	.27	.24	11-53-0	91,773	197,698	.39	.95
3-9-16	325,112	235,507	1.38	1.13	11-55-0	113,759	108,107	.48	.52
3-9-27	64,241	64,812	.27	.31	12-0-12	45,954	47,796	.20	.23
3-10-10	41,134	57,549	.17	.26	12-2-12	29,617	27,571	.13	.13
3-10-20	35,147	26,685	.15	.13	12-4-8	26,636	24,420	.11	.12
3-10-30	292,694	331,582	1.24	1.59	12-6-6	46,965	39,404	.20	.19
3-10-18	29,370	29,653	.12	.14	12-12-12	266,011	183,253	1.13	.80
4-8-8	11,196	15,014	.05	.07	12-24-12	61,067	31,186	.26	.15
4-8-12	106,801	85,622	.45	.41	12-24-24	45,921	45,310	.20	.22
4-8-24	23,242	14,699	.10	.07	13-13-13	624,263	600,587	2.65	2.89
4-10-10	130,234	138,167	.55	.66	14-0-14	44,130	44,399	.19	.21
4-12-12	49,917	38,629	.21	.19	14-7-7	24,582	21,449	.10	.10
4-12-24	143,687	91,308	.61	.44	14-7-14	38,613	33,356	.16	.16
4-13-26	71,858	60,406	.31	.29	14-8-8	18,793	16,617	.08	.08
4-16-20	16,404	14,500	.07	.07	14-14-14	119,904	94,849	.51	.46
5-5-25	19,695	19,853	.08	.10	15-5-10	56,984	60,127	.24	.29
5-10-5	44,710	39,311	.19	.19	15-10-10	55,749	44,853	.24	.22
5-10-10	221,400	187,791	.94	.90	15-15-15	272,323	236,980	1.16	1.14
5-10-15	584,763	485,904	2.49	2.33	15-40-5	34,084	19,193	.14	.09
5-10-30	177,145	141,767	.75	.68	16-0-16	43,357	42,758	.18	.21
5-13-21	20,321	17,721	.09	.09	16-4-8	61,954	59,921	.26	.29
5-15-20	21,830	17,911	.09	.09	16-6-12	85,997	64,062	.37	.31
5-15-25	17,208	15,233	.07	.07	16-8-8	83,490	71,346	.35	.34
5-15-30	170,100	150,947	.72	.73	16-8-16	14,636	14,512	.06	.07
5-17-21	64,398	46,769	.27	.22	16-10-10	22,858	18,420	.10	.09
5-20-20	81,876	62,494	.35	.30	16-16-16	105,166	109,451	.45	.53
5-20-35	63,420	61,630	.27	.30	16-20-6	27,184	22,773	.12	.11
5-23-27	20,298	25,461	.09	.12	17-17-17	150,377	146,712	.64	.70
6-6-6	80,061	73,267	.34	.35	18-6-6	17,886	16,209	.08	.08
6-6-18	50,920	60,684	.22	.29	18-6-12	23,146	32,195	.10	.15
6-8-8	51,510	45,259	.22	.22	18-9-3	17,502	15,547	.07	.07
6-12-6	14,270	15,556	.06	.07	18-9-9	12,467	16,267	.05	.08
6-12-12	87,263	75,695	.37	.36	18-10-5	16,220	16,848	.07	.08
6-12-18	80,607	57,716	.34	.28	18-18-0	22,094	14,756	.09	.07
6-15-40	79,788	59,535	.34	.29	18-18-18	13,721	15,895	.06	.08
6-18-6	56,038	54,243	.25	.26	18-46-0	3,721,845	3,406,264	15.42	16.36
6-18-18	60,351	49,935	.26	.22	19-9-0	41,371	27,846	.18	.13
6-18-36	44,624	34,053	.19	.16	19-19-19	137,557	135,497	.58	.65
6-20-20	26,514	21,665	.11	.10	20-0-20	20,286	26,117	.09	.13
6-24-24	717,276	605,414	3.05	2.91	20-5-5	15,044	16,709	.06	.08
6-26-26	60,284	50,531	.26	.24	20-5-10	68,684	60,496	.29	.29
7-18-36	22,466	22,031	.10	.11	20-10-6	117,080	103,367	.50	.50
7-21-7	111,736	102,065	.47	.49	20-10-5	21,659	20,788	.09	.10
7-22-5	67,004	77,029	.28	.37	20-10-10	160,964	111,703	.68	.54
7-23-5	65,332	75,245	.28	.36	21-0-32	19,125	17,617	.08	.08
7-26-26	16,440	18,017	.07	.09	21-7-3	27,241	24,048	.12	.12
7-28-28	40,683	34,632	.17	.17	21-7-14	59,786	40,506	.25	.19
8-0-24	17,645	18,205	.08	.09	21-8-17	23,701	22,606	.10	.11
8-4-8	12,710	14,536	.05	.07	22-11-0	22,612	17,123	.10	.08
8-8-8	177,338	152,841	.75	.73	24-0-0	30,904	35,378	.13	.17
8-8-24	15,982	17,843	.07	.09	25-3-3	12,514	20,494	.05	.10
8-16-8	24,185	22,138	.10	.11	25-5-0	11,147	14,760	.05	.07
8-16-24	30,108	21,400	.13	.10	26-3-3	40,829	26,486	.17	.13
8-24-0	23,350	17,152	.11	.08	27-3-3	20,732	31,443	.12	.15
8-24-24	209,089	176,943	.89	.85	27-12-0	16,214	25,486	.07	.12
8-25-3	47,578	45,749	.20	.22	27-13-13	31,395	21,125	.13	.10
TOTAL	16,882,938	15,006,968						71.77	72.10

NUMBER OF GRADES AND TOTAL TONNAGE BY CLASS,
YEAR ENDED JUNE 30

GRADES OF 10,000 TONS OR MORE
GRADES 5,000 TONS TO 9,999 TONS
GRADES 2,500 TONS TO 4,999 TONS
LESS THAN 2,500 TONS AND GRADE NOT REPORTED

TOTAL (48 STATES AND DISTRICT OF COLUMBIA)

NUMBER		TONS		PERCENT OF TOTAL	
1981	1982	1981	1982	1981	1982
245	206	18,287,158	15,726,770	77.74	75.56
141	148	950,790	1,046,969	4.04	5.03
269	244	955,618	858,143	4.06	4.12
		3,330,905	3,182,945	14.16	15.29

1/ EXCLUDES ALASKA, HAWAII AND PUERTO RICO AND GRADES MADE PRIMARILY BY ONE COMPANY.

TABLE 16 -- AVERAGE PRIMARY NUTRIENT CONTENT OF MIXTURES AND DIRECT APPLICATION MATERIALS CONSUMED,
YEAR ENDED JUNE 30, 1982

STATE	MIXTURE 1/				MATERIAL 2/				TOTAL	
					SINGLE NUTRIENT				IN	
									MIXTURES	
	N	AVAILABLE: P O 2 5	K O 2	TOTAL	N	AVAILABLE: P O 2 5	K O 2	MULTIPLE NUTRIENT	TOTAL	AND MATERIALS
PERCENT										
ALA	8.16	15.01	16.78	39.95	35.18	23.47	54.57	15.80	35.08	38.03
ALAS	16.83	18.30	13.39	48.53	44.80	50.00	62.00	61.05	45.06	46.16
ARIZ	14.45	34.05	0.44	48.94	42.45	49.50	61.02	40.71	42.54	43.98
ARK	8.63	16.48	19.99	45.10	40.98	43.44	59.31	32.23	41.64	42.99
CALIF	12.92	16.28	6.59	35.80	32.35	38.13	49.46	30.72	32.69	33.58
COLO	14.86	32.95	2.30	50.11	42.50	41.38	46.99	49.37	42.95	44.39
CONN	12.87	8.34	8.59	29.80	42.29	35.44	58.74	17.70	33.84	30.92
DEL	9.34	15.13	19.67	44.34	30.52	45.99	61.00	22.55	36.06	41.22
D C	16.50	5.50	6.50	28.50	34.72	35.00	60.42	3.69	15.46	27.01
FLA	10.55	5.72	14.32	30.59	32.38	16.76	48.31	27.75	32.24	30.86
GA	6.65	10.70	16.60	33.95	33.07	19.75	41.78	19.91	32.95	33.56
MAH	14.59	8.76	19.45	42.80	28.03	12.42	24.42	62.54	25.80	36.82
IDAH	18.31	38.78	0.46	57.54	36.13	54.74	49.87	43.63	37.95	41.09
ILL	12.38	30.63	9.32	52.32	52.02	45.20	59.94	43.73	54.46	53.75
IND	8.30	22.13	18.36	48.79	45.71	46.44	58.51	7.01	49.24	49.03
IOWA	12.76	31.91	8.85	53.53	55.99	45.04	60.18	70.34	57.03	55.97
KANS	14.71	39.22	2.10	56.04	55.16	42.05	60.98	25.00	55.29	55.51
KY	10.59	22.68	12.46	45.73	41.78	45.30	57.96	12.26	47.01	46.42
LA	10.40	14.51	16.68	41.59	38.78	45.71	27.87	13.38	37.74	39.85
MAINE	12.17	14.42	13.69	40.28	35.55	29.29	55.83	7.25	33.16	39.57
MD	9.40	14.95	15.07	39.42	36.03	44.10	56.74	21.17	40.42	39.81
MASS	15.41	10.04	10.11	35.57	41.39	36.54	56.62	6.81	26.28	33.02
MICH	10.82	24.96	14.49	50.68	48.83	44.33	58.95	17.08	50.84	50.76
MINN	14.21	35.79	6.54	56.54	59.99	44.55	59.73	43.15	59.23	58.31
MISS	7.62	16.72	19.63	43.97	40.59	26.66	61.00	5.33	40.94	42.38
MO	12.80	14.57	20.70	48.07	45.39	44.37	56.54	7.95	46.24	47.47
MONT	14.87	45.91	0.62	61.41	48.85	47.58	60.17	39.31	47.17	52.67
NEBR	13.04	33.85	2.88	49.77	55.02	42.25	48.81	34.72	53.53	52.55
NEV	14.68	17.36	5.63	37.66	30.25	34.93	10.04	23.81	28.06	30.75
N H	14.25	11.08	11.55	36.87	36.77	41.75	60.05	7.81	35.00	36.56
N J	11.88	10.73	11.40	34.01	35.03	38.48	58.90	10.03	33.00	33.83
N MEX	13.56	33.14	2.72	49.42	44.47	44.40	36.72	24.33	42.67	44.76
N Y	10.89	15.66	14.57	41.12	39.58	30.14	57.79	27.94	41.31	41.18
N C	7.99	11.08	16.98	35.65	29.95	35.20	51.14	22.41	31.30	34.19
N DAK	15.49	40.10	3.59	59.18	66.50	46.35	60.00	32.33	65.15	62.88
OHIO	9.97	24.18	14.40	48.56	43.53	45.05	60.17	6.34	48.65	48.61
OKLA	15.14	34.15	4.63	53.93	52.36	45.13	57.43	14.71	51.92	52.61
OREG	18.61	22.14	6.67	47.42	33.24	33.67	54.24	42.58	35.88	37.99
PA	10.28	16.86	11.51	38.65	35.91	43.38	60.66	41.97	39.84	38.97
R I	11.50	9.03	8.84	29.37	44.74	42.86	61.01	17.47	31.58	29.88
S C	6.08	9.88	18.31	34.28	28.88	31.43	52.82	16.00	30.57	32.96
S DAK	16.88	34.96	2.26	54.10	50.65	45.37	60.16	9.91	51.02	52.08
TENN	11.50	24.88	11.26	47.63	38.81	46.96	60.41	54.79	46.59	47.04
TEX	15.02	15.07	6.14	36.23	44.99	44.33	47.30	34.72	44.57	39.82
UTAH	14.94	35.78	1.03	51.75	39.16	44.39	54.90	33.59	39.81	41.60
VT	12.15	14.23	19.41	45.78	39.21	45.17	52.62	11.44	43.33	45.25
VA	8.47	12.03	15.50	36.00	28.48	34.63	58.13	14.72	29.85	34.35
WASH	14.91	24.34	8.61	47.86	33.86	46.30	58.74	33.90	35.33	37.52
W VA	10.68	18.47	11.35	40.49	43.86	45.30	59.74	3.55	46.53	43.12
WISC	11.94	28.18	12.90	53.02	44.15	36.26	59.06	54.26	50.79	51.47
WYO	17.16	42.56	0.31	60.02	40.00	54.57	50.95	57.13	42.32	47.00
P R	13.43	5.50	8.41	27.34	26.28	46.25	51.28	38.46	35.61	27.63
TOTAL	11.23	20.39	12.38	43.99	45.19	41.78	58.30	31.04	47.22	45.79

1/ GUARANTEED TO CONTAIN 2 OR MORE OF THE PRIMARY NUTRIENTS N, P O, K O.

2/ INCLUDES ONLY MATERIALS GUARANTEED TO CONTAIN 1 OR MORE PRIMARY NUTRIENTS.

TABLE 17 -- CONSUMPTION OF SELECTED N-P GRADES,
YEAR ENDED JUNE 30, 1982

STATE	GRADE				
	10-34	11-37	11-55	13-52	28-14
	TONS				
ALA	2,572	357	0	0	5
ALAS	0	0	0	0	0
ARIZ	15,298	0	0	0	0
ARK	229	183	0	0	10
CALIF	52,768	1,892	7,304	0	0
COLO	20,202	1,698	0	0	0
CONN	0	0	0	0	0
DEL	1,562	0	0	219	0
D C	0	0	0	0	0
FLA	48	20	0	11	0
GA	13,046	0	0	7	45
HAW	638	0	0	0	0
IDAHO	0	0	1,359	0	0
ILL	26,351	398	347	466	0
IND	123,262	1,469	0	1,870	0
IOWA	46,378	0	3,717	466	0
KANS	46,141	8,195	1,704	96	0
KY	2,140	869	0	0	4
LA	98	2,503	0	0	16
MAINE	0	0	0	0	0
MD	5,352	0	0	530	0
MASS	15	0	0	0	0
MICH	19,823	0	0	1,436	0
MINN	33,689	0	5,748	0	255
MISS	301	233	0	0	0
MO	4,874	84	0	0	235
MONT	9,653	0	54,043	0	0
NEBR	86,538	860	2,575	0	48
NEV	554	0	0	0	0
N H	52	0	0	0	0
N J	78	0	0	18	0
N MEX	3,879	53	0	0	0
N Y	5,514	1	0	332	4
N C	6,411	51	14	0	125
N DAK	25,062	0	15,779	0	25
OHIO	35,068	0	0	2,333	0
OKLA	6,010	86	0	0	1,180
OREG	6,992	482	5,320	0	0
PA	4,445	1	0	162	0
R I	0	0	0	0	0
S C	3,493	0	0	0	0
S DAK	13,090	0	167	0	124
TENN	0	0	0	0	0
TEX	56,841	4,608	1,008	0	9,018
UTAH	2,100	0	0	0	0
VT	50	0	0	0	0
VA	2,256	0	0	180	9
WASH	16,551	0	7,046	0	0
W VA	175	0	0	3	0
WISC	17,069	0	1,976	0	0
WYO	2,281	0	0	0	0
P R	0	0	0	0	0
TOTAL	718,949	24,043	108,107	8,129	11,103

TABLE 17 -- CONSUMPTION OF SELECTED N-P GRADES,
YEAR ENDED JUNE 30, 1982--CONTINUED

STATE	GRADE 1/				
	30-10	11-48	16-20	18-46	21-53
	TONS				
ALA	199	0	23	3,095	0
ALAS	0	0	0	170	0
ARIZ	0	4,432	17,216	11,908	0
ARK	1,054	0	4,934	7,229	0
CALIF	97	43,914	67,765	16,535	0
COLO	647	12,635	1,365	40,789	0
CONN	38	0	0	0	0
DEL	0	0	0	3,746	156
D C	0	0	0	0	0
FLA	24	0	0	104	3,459
GA	2	1,706	12	4,818	0
HAW	0	0	0	2,354	33
IDAHO	0	12,274	24,739	54,520	0
ILL	36	0	0	657,984	72
IND	575	0	0	111,779	0
IOWA	238	0	1	501,780	2,588
KANS	0	0	2,818	227,854	1,131
KY	172	0	0	129,418	6
LA	73	0	93	4,138	0
MAINE	2	0	0	1,475	0
MD	36	0	0	8,998	0
MASS	14	0	0	1,086	0
MICH	344	0	0	83,339	3,985
MINN	146	1,198	2,663	368,266	0
MISS	0	0	0	12,828	0
MO	461	0	25	2,331	0
MONT	2,001	1,115	17,185	64,811	0
NEBR	1,170	0	4,836	140,614	0
NEV	28	0	2,645	143	0
N H	0	0	0	488	0
N J	159	0	0	2,435	264
N MEX	26	119	2,322	7,242	0
N Y	119	0	9,140	3,941	0
N C	235	1	0	11,788	0
N DAK	225	0	2,667	130,725	0
OHIO	310	0	0	151,234	0
OKLA	470	0	1,310	138,137	100
OREG	0	4,588	46,848	10,372	0
PA	1,390	0	0	25,491	0
R I	0	0	0	0	232
S C	0	0	0	1,237	0
S DAK	42	0	0	78,665	0
TENN	10	2,377	0	94,205	0
TEX	7,098	0	46,915	77,460	0
UTAH	640	1,500	394	1,500	0
VT	0	0	0	1,300	0
VA	44	0	0	8,968	0
WASH	0	6,868	36,034	22,604	0
W VA	7	0	0	6,280	0
WISC	446	0	106	151,175	0
WYO	81	34	250	18,963	0
P R	0	0	0	0	100
TOTAL	18,659	92,761	292,306	3,406,322	12,126

1/ IN OTHER TABLES, ALL QUANTITIES OF GRADE 11-48, 16-20, AND 21-53 ARE INCLUDED IN MATERIALS. THE OTHER GRADES LISTED ABOVE ARE INCLUDED IN MIXTURES.

TABLE 18 -- CONSUMPTION OF NITROGEN SOLUTIONS BY DIRECT-APPLICATION,
YEARS ENDED JUNE 30, 1981 AND 1982

STATE	UNDER 28% NITROGEN		28-32% NITROGEN		OVER 32% NITROGEN	
	1981	1982	1981	1982	1981	1982
TONS						
ALA	0	0	89,616	100,102	0	0
ALAB	0	0	0	0	0	0
ARIZ	17,604	15,157	102,610	90,645	0	0
ARK	237	473	86,796	80,396	810	237
CALIF	239,716	199,243	272,260	282,183	4,788	2,160
COLO	12,008	16,569	109,460	131,304	0	0
CONN	17	10	319	99	101	39
DEL	0	0	46,093	32,155	107	69
D C	0	0	80	75	0	0
FLA	1,723	3,322	83,656	73,521	18	0
GA	62,434	67,393	406,822	299,883	382	1,926
HAW	9,717	12,325	3	5,954	395	0
IDAH	0	44	73,410	82,183	0	0
ILL	1,121	4,200	579,781	745,374	14,163	24,586
IND	0	0	505,714	515,442	2,969	2,497
IOWA	60	113	564,361	621,754	35	2,762
KANS	0	0	298,049	287,264	0	0
KY	0	0	64,251	65,931	0	0
LA	1,244	736	36,480	54,067	45	0
MAINE	0	0	451	42	0	0
MD	0	0	76,854	74,876	0	0
MASS	0	0	96	542	0	0
MICH	0	63	141,186	148,273	689	531
MINN	870	255	191,615	159,996	3,672	4,295
MISS	0	0	65,827	72,037	0	0
MO	2,482	2,497	139,685	152,099	29	7
MONT	0	0	15,717	20,258	0	0
NEBR	19,138	21,268	438,475	415,888	691	101
NEV	0	0	3,021	4,193	0	0
N H	0	0	0	0	6	0
N J	94	3	7,399	9,258	2	22
N MEX	143	302	14,740	21,441	0	0
N Y	102	0	59,594	54,242	1,806	0
N C	8,177	13,509	429,734	377,496	226	420
N DAK	0	0	62,218	55,486	0	0
OHIO	9,129	17,092	439,182	458,016	938	571
OKLA	2,408	3,047	105,751	99,218	897	0
OREG	2,216	0	64,912	75,388	0	0
PA	0	158	63,063	83,192	0	1,492
R I	0	0	0	0	0	0
S C	18,563	15,786	201,149	155,476	0	0
S DAK	52	38	31,061	44,651	2,001	0
TENN	0	0	45,641	40,080	0	0
TEX	1,749	2,766	355,044	317,384	11,761	6,996
UTAH	0	10	3,906	3,906	0	100
VT	0	0	2,016	2,016	0	0
VA	0	0	157,979	150,043	0	0
WASH	10,430	14,670	143,703	120,573	0	0
W VA	0	0	8,169	5,389	0	0
WISC	0	1,721	190,523	179,184	751	416
WYO	200	0	20,728	7,255	2	0
P R	0	0	0	15	0	0
TOTAL	421,634	412,792	6,801,200	6,776,247	47,284	49,227

TABLE 19 -- MICRONUTRIENTS SOLD FOR FERTILIZER IN THE UNITED STATES

REGION OF APPLICATION	QUANTITY OF THE ELEMENT SOLD			
	COPPER	IRON	MANGANESE	ZINC
TONS				
JULY 1, 1980 - JUNE 30, 1981				
NEW ENGLAND				
(CONN, ME, MASS, N H, R I, VT)	8.0	10.1	47.3	79.0
MID-ATLANTIC				
(DEL, D C, MD, N J, N Y, PA, W VA)	74.0	52.9	423.7	469.7
SOUTH ATLANTIC				
(FLA, GA, N C, S C, VA)	794.7	1,139.0	6,592.3	5,912.4
EAST NORTH CENTRAL				
(ILL, IND, MICH, OHIO, WIS)	171.9	575.0	4,225.2	3,661.7
WEST NORTH CENTRAL				
(IOWA, KANS, MINN, MO, NEBR, N DAK, S DAK)	186.0	691.5	1,025.1	14,293.5
EAST SOUTH CENTRAL				
(ALA, KY, MISS, TENN)	67.1	283.3	342.7	1,684.6
WEST SOUTH CENTRAL				
(ARK, LA, OKLA, TEX)	159.4	2,330.5	397.5	4,646.2
MOUNTAIN				
(ARIZ, COLO, IDAHO, MONT, NEV, N MEX, UTAH, WYO)	15.3	1,257.2	495.7	5,081.4
PACIFIC				
(CALIF, OREG, WASH)	80.1	713.4	389.6	8,090.2
ALAS, HAW, P R	3.7	12.4	12.4	8.6
TOTAL	1,560.2	7,065.3	13,951.5	43,927.3
JULY 1, 1981 - JUNE 30, 1982				
NEW ENGLAND				
(CONN, ME, MASS, N H, R I, VT)	8.9	10.1	27.8	76.0
MID-ATLANTIC				
(DEL, D C, MD, N J, N Y, PA, W VA)	81.4	47.3	307.7	376.4
SOUTH ATLANTIC				
(FLA, GA, N C, S C, VA)	885.5	929.6	6,675.3	5,393.3
EAST NORTH CENTRAL				
(ILL, IND, MICH, OHIO, WIS)	172.4	643.0	3,973.2	4,123.2
WEST NORTH CENTRAL				
(IOWA, KANS, MINN, MO, NEBR, N DAK, S DAK)	264.0	970.8	2,508.4	18,309.1
EAST SOUTH CENTRAL				
(ALA, KY, MISS, TENN)	67.0	705.6	341.8	1,652.6
WEST SOUTH CENTRAL				
(ARK, LA, OKLA, TEX)	154.0	2,958.1	291.9	4,012.8
MOUNTAIN				
(ARIZ, COLO, IDAHO, MONT, NEV, N MEX, UTAH, WYO)	24.1	1,341.6	329.5	5,887.7
PACIFIC				
(CALIF, OREG, WASH)	93.0	613.6	593.4	9,232.5
ALAS, HAW, P R	1.1	8.2	0.8	3.0
TOTAL	1,751.4	8,227.9	15,049.8	49,066.6

TABLE 20 CONVERSION FACTORS AND AVERAGE ANALYSIS

TO CONVERT	:	TO	:	MULTIPLY BY
P ₂ O	:	P	:	0.43641
P	:	P ₂ O ₅	:	2.29137
K ₂ O	:	K	:	0.83016
K	:	K ₂ O	:	1.20459

AVERAGE ANALYSES FOR YEAR ENDING JUNE 30, 1982

ITEM	:	N	:	P ₂ O ₅	:	K ₂ O
MIXED FERTILIZERS	:	11.23	:	20.39	:	12.38
NITROGEN MATERIALS:	:		:		:	
ANHYDROUS AMMONIA	:	82.0	:		:	
AQUA AMMONIA	:	20.2	:		:	
AMMONIUM NITRATE	:	33.6	:		:	
AMMONIUM SULFATE	:	20.9	:		:	
NITROGEN SOLUTIONS	:	28.8	:		:	
SODIUM NITRATE	:	16.0	:		:	
UREA	:	45.6	:		:	
AMMONIUM NITRATE LIMESTONE	:	19.5	:		:	
PHOSPHATE MATERIALS:	:		:		:	
PHOSPHATE ROCK 1/	:		:	2.7	:	
SUPERPHOSPHATE (22% + UNDER)	:		:	19.2	:	
SUPERPHOSPHATE (OVER 22%)	:		:	44.9	:	
PHOSPHORIC SOLUTIONS	:		:	59.3	:	
AMMONIUM PHOSPHATE	:	15.1	:	27.5	:	
POTASH MATERIALS:	:		:		:	
POTASSIUM CHLORIDE	:		:		:	60.2
POTASSIUM MAGNESIUM SULFATE	:		:		:	22.0
POTASSIUM NITRATE	:	13.2	:		:	44.0
POTASSIUM SODIUM NITRATE	:	15.0	:		:	14.6
POTASSIUM SULFATE	:		:		:	49.5
ORGANIC MATERIALS:	:	2.7	:	2.0	:	2.1

1/ INCLUDES COLLOIDAL PHOSPHATE.

**UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C. 20250**

**OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300**

To stop mailing ☐ or to change your
address ☐ send this sheet with label
intact, showing new address, to Crop
Reporting Board Publications, SRS, U.S.
Dept. of Agriculture, Rm 5829 South
Building, 14th & Independence Ave. S.W.,
Wash., D.C. 20250.

**POSTAGE AND FEES PAID
U.S. DEPARTMENT OF
AGRICULTURE
AGR 101
FIRST CLASS**

